

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, JULY 2, 1924

NUMBER 1

Beta Naphthol and Calco

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Chicago

In This Issue { *R. G. Wilson on Steel Drums*
Situation In Bromides

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DRUG & CHEMICAL MARKETS

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

Williams Haynes, President
Ira P. MacNair, Secretary F. F. Buegin, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U.S.A.

Telephone, 0440 Barclay Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOLUME XV

NUMBER 1

The Week in Brief

News

Why Germany is forced to make dye agreements with other countries explained by Thomas W. Delehanty, of Chemical Division of Bureau of Foreign and Domestic Commerce. Germany's dye exports now about one-half amount sold abroad before World War.

The Finmarken cod catch is running far ahead of previous years.

A supplemental list of dye standards and imported products that are commercially similar has been issued by the Customs Division of the Treasury Department.

United States valuation as a basis for assessing duty on dyes was upheld in a decision by the Customs Court of Appeals in the Kutroff, Pickhardt cases.

Permits for whiskey and liquors must be renewed annually and applications must be filed in July, is the warning sent to the trade by the National Wholesale Druggists Association.

Markets

Industrial chemicals continue quiet with a slightly improved undertone. Bleaching powder is holding firm. Alkalis are firmer with better export conditions. Fertilizers are stronger. Calcium arsenate is lower.

Dyes and intermediates are in small routine demand at fairly steady prices. Benzol and toluol gaining strength with decreased production. Phenol easier on less demand. Pyridine is quiet.

Oil market continues in slightly better position although demand is limited in volume. Linseed oil advanced 2c gal. by crushers. Fish oil continues in light demand. Palm oil steady.

Fine chemicals are generally quiet with the exception of saccharin and bromides. Domestic makers reduce citric acid. Menthol and mercury are dull.

Essential oils are showing further weakness. Oil orange, Italian, is lower. Oil peppermint is easier. Oil cedar wood is scarce and higher.

Crude drugs are in small demand. Spanish saffron is easy. Buchu leaves are in good supply. Cascara sagrada is firm on the Coast.

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Acetate of Lime

Acetone, C. P.

Acetone
(Methyl)

Methanol
(All grades)

Denatured Alcohol
(All formulas)

Formaldehyde

Hexamethylene Tetramine

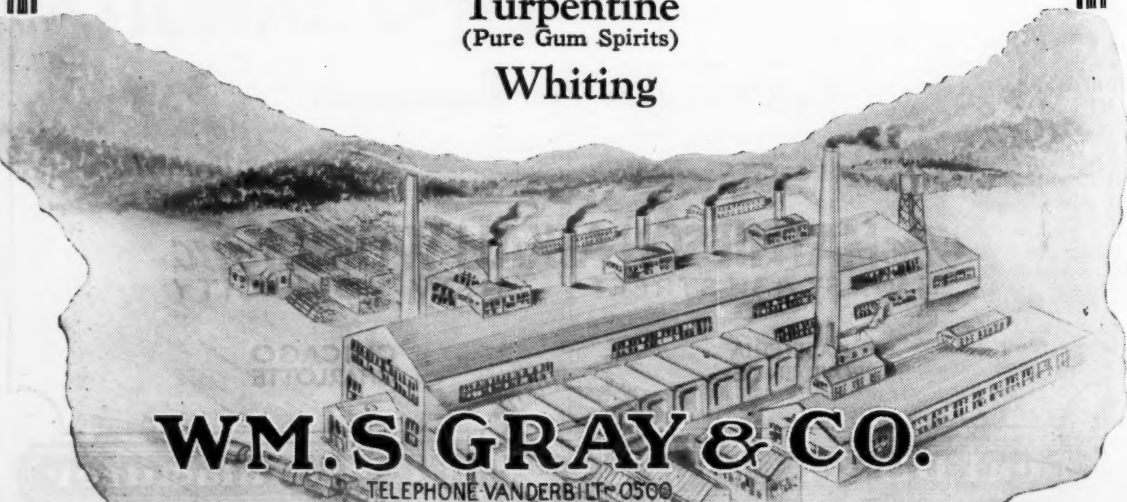
Magnesia

Para Formaldehyde

Phenol

Turpentine
(Pure Gum Spirits)

Whiting



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NEW YORK CITY

DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, JULY 2, 1924

NUMBER 1

HIT-OR-MISS IMPORTING

If a clothing store displayed a line of fur coats in its windows during July, or palm-beach suits in the middle of winter, the average observer would undoubtedly think that a mental cog had slipped somewhere in the management of the establishment. This, however, is the very thing which is happening in the chemical business month after month, year after year, particularly in imported items. Importers are repeatedly bringing in excessively heavy shipments and also consignments of goods out of season. The consequences are inevitable; the goods are peddled around the market and the prices forced down to a level which tends to discourage importing the same products again. Usually, importations of this character are the result of ignorance or insufficient investigation of market conditions.

From the point of view of the consumer, the low prices which result from over-importation are of small benefit. They usually come at a time when the average buyer has little or no interest in the market. The low priced goods frequently get into the hands of speculators who wait for the next consuming period. As a result of losses suffered in any particular item, importers will naturally tend to restrict the size of later importations, and the general reaction is to reduce stocks all along the line. The arrival of another consuming season usually finds the buyer paying higher prices in a rising market with legitimate import houses afraid to bring in sufficient stocks for fear of a repetition of the previous experience.

Irresponsible and foolish importing has been going on in the American market for several years, mostly by people who are evidently not fully aware of what they are doing. In each case, weakness has been followed by a sharp swing of the pendulum in the other direction, and the consumer has paid the bill. If these unnecessary disturbances of normal market conditions never occurred, the consumer would undoubtedly be able to buy at a better average price for all products over a period of years than with the current agitation. Greater care in avoiding excessive and out-of-season imports would work to the advantage of both buyer and seller.

RENEWAL OF ALCOHOL PERMITS

Basic permits of the "H" type, covering use of tax paid non-beverage alcohol for use in manufacturing, need not be renewed each year as has been required in the past. All "H" permits will be continued in force indefinitely as long as the bonds covering the lawful use of the alcohol, are retained by the permittee. Of course, permits are

revocable for the usual violations, and may be given up voluntarily at any time. No other permits except the "H" type are in any way affected, wholesalers and others being required to renew permits for ordinary whiskey and liquors each year after July 1 and before August 31.

The concession in the case of "H" permits by the Prohibition Unit means the removal of a great nuisance for many manufacturers, and also the elimination of jeopardy into which many permits have been thrown each year in the past when time came for renewal owing to the variable whims of local prohibition directors. Making "H" permits continuous is a direct result of the efforts of the Alcohol Trades Advisory Committee, and is only another case where the Committee has proven its practical value to the industries which it serves. As a close, frank, honest point-of-contact between the alcohol using industries and the Prohibition Unit, the Advisory Committee has been, and will likely continue to be invaluable.

SAVING TIME

To save time is to effect one of the basic economies, and we have ample evidence of the appreciation on the part of both producers and consumers of chemical and drug products of our efforts to give them a compact, prompt, readable news and market service. Steady increases in the number of our regular readers is due mainly to the fact that DRUG & CHEMICAL MARKETS is worth reading and easy to read.

We plan and work to make it more valuable in both these fundamental respects and beginning with this issue—the first in Volume XV—we have grouped all news and market reports into two sections devoted respectively to "Industrial Chemicals" and "Drugs & Fine Chemicals." We have done this after much thought and consultation with many subscribers better to enable our readers to use as quickly and easily as possible the material of most interest to them. Our field is a broad one of varied interest, and we are confident that this new arrangement makes for the subscriber's convenience.

All material on heavy chemicals, coal-tar intermediates, fatty oils, naval stores, pigments and colors—feature articles, news, and market comment—is to be found under the "Industrial Chemical Section." In the "Drug & Fine Chemical Section" is the material on medicinal and photographic chemicals, crude drugs, spices, aromatics, and essential oils. The financial and statistical material is on the page between the two sections (page 24 of this issue). Imports, the Prices Current,

"Wants & Offers," and "Spot Stocks" are as heretofore in the back of the paper.

Exactly two years ago we inaugurated "new style" price quotations, arranging all items under the four general headings of Chemicals, Drugs, Fatty Oils, and Essential Oils & Aromatics, and giving with each product full specifications on quantity, packing, and position. Discarding the old trade sub-divisions of coal-tar chemicals, fine and heavy chemicals, and among drugs of berries, roots, leaves, etc., and printing a more definite price for a certain quantity in a certain container has served the purpose of consumers as evidenced by their greater use of our quotations. It also has been paid the sincerest form of flattery by three of our contemporaries who have adapted some part of this improvement to their own system of price publishing. Just a year ago we began the publication of specialized market reports for several of the largest consuming fields, collecting in one place all chemical and drug products used in five key industries. Our latest improvement in make-up, the two Sections for all news and reports, is another step in the same direction, a further effort to make DRUG & CHEMICAL MARKETS the most readable, as it is the most reliable, source of information.

INTERNATIONAL CHEMICAL EXPOSITION?

In the June 14 issue of "Chemical Age" of London, a visit of Fred W. Payne, co-manager of the National Exposition of Chemical Industries to the British Empire Exhibition at Wembley, is described. Mr. Payne's comments, according to the editorial, indicated that he considered the Chemical Section at the Wembley exhibition the greatest exposition of a chemical educational type which he had ever seen. He described the English exposition as educational, while his own American expositions, he stated frankly were primarily commercial in nature.

A significant feature of Mr. Payne's visit while in London, were his calls on leading chemical interests. He later went to the Continent and did the same there. During his visit to the office of "Chemical Age", he is reported to have remarked that he hoped there might be a group of exhibits in the 1925 Chemical Exposition in New York,

representative of the British chemical industry, and that products from the Scientific Section at Wembley might also be shown at the next American chemical exposition. The English evidently took favorably to the idea of showing their products in the United States.

For ten years, the National Exposition of Chemical Industries has been a strictly American affair. Since the end of the war, applications for space from foreign makers of chemicals and equipment have multiplied each year, and have been regularly refused. Is Mr. Payne's remark in London the first gun of a move to make the Chemical Exposition an international affair, and to admit foreign houses?

The condition of the money market is distinctly favorable to improvement in business, says the Harvard Economic Service. Summer dullness, political uncertainty and agricultural problems are likely only to postpone and not prevent better times. The statement covers the situation in a nutshell. The Fall outlook is encouraging in nearly all lines of industry. According to the Federal Reserve Board the volume of wholesale drug business in May was larger than in April.

Many Men: Many Minds

"Best guides to success in business are the Sermon on the Mount and the golden rule."—Lord Leverhulme, of Lever Brothers, London.

Great mine explosions, with their terrible toll of lives lost, are commonly caused by the ignition of inflammable coal dust, says the "Industrial Market Letter", and in England the mines spread over the accumulated coal dust a layer of fine rock dust in such proportion that the coal dust is deprived of its power to ignite. Insurance companies have expressed a willingness to reduce compensation insurance rates to mining companies adopting rock-dusting as a regular practice.

Bone buttons are not the only products of a plant in Philadelphia, which makes three-fourths of the supply used in the United States, says the "Philadelphia Ledger". Considerable quantities of fats and oils are obtained from the bones by what is known as the naphtha process. These are sold to soap manufacturers. Only a comparatively small part of the bones can be used as buttons, the waste parts being ground up for bone meal and sold to fertilizer manufacturers or made into material from which bone black, used in purifying sugar and sirups, is manufactured. Bone also is ground into material used in case-hardening steel.



Let in plenty of economic fresh air and fire the cure-alls out of the window.
—Nation's Business.

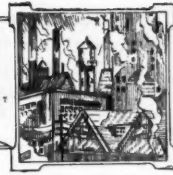
TRADE TO CLOSE JULY 5

Inquiry among the chemical and drug trades in New York, Chicago, Philadelphia, and Boston, by DRUG & CHEMICAL MARKETS, indicates that few, if any, houses will remain open on Saturday, July 5. Orders for goods requiring attention before July 7, should be in the hands of sellers on July 3 at the latest.



Industrial Chemical

SECTION



Every-Day Care of Steel Drums

Common Sense Precautions in Shipping and Storing as a Means of Increasing Ratio of Salvage

By ROBERT G. WILSON, of William M. Wilson's Sons, Philadelphia

TO ONE who has watched, and to some extent shared, in the development of the steel drum or barrel, over the last thirty years, the expansion of this industry has been amazing. It is well within the bounds of safe prophecy, however, to say that the present production and use of steel drums is only an earnest of what is to come. Many industries have bitterly opposed the adoption of steel packages, but on sheer merit progress has been made until to-day in many lines, notably the petroleum and chemical trades, the position of the metal container is secure.

Thirty years ago there were few, if any, steel barrels produced in the United States. To-day the annual production runs literally into the millions. It is to the everlasting credit of the American manufacturer that the market affords an excellent package for practically any service demanded.

DRUG & CHEMICAL MARKETS has suggested that out of an experience of nearly thirty-five years and rather extended familiarity with steel drums of foreign and domestic makes, and of observation of methods of handling and care in many plants, some suggestions might be offered that would be of value to the chemical industry.

The whole subject may be summed up in one sentence: steel drums should be considered as equipment, and not as supplies. This, of course, is not true of the so-called "one time shipper," which is a non-returnable package. But it is absolutely true of the heavier or continuous service steel barrel and drum.

We have many times been called in to dispose of the accumulation of steel drums at one plant or another and have as often been astounded at the utter indifference to the preservation of equipment running into thousands of dollars. It should be the rule in every plant using drums that a coat of paint should be given at least once a year and preferably every six months. It is not at all necessary, if this one simple rule is followed, to incur the expense of covered storage, although this is always preferable. This is another case where the slogan of the Paint and Varnish Trades applies with particular emphasis, for "Save the surface and you save all." Then, too, it should be the invariable rule that when stored in the open, drums should be piled on wood, old rails, or even old pipe, to the end that there may always be a circulation of air around the drum. Rust, which is the

destructive agent, will make much less rapid headway, if drums are stored clear of the ground. I have often seen cases of steel drums ten years old, still in excellent condition simply because they have been cared for.

On the other hand, I have known of cases where the life of a good heavy drum was less than a year, because allowed to lie in water, or possibly on acid soaked ground, or exposed to acid fumes. I remember very clearly a lot of several thousand 110 gallon drums, the property of a steel company, which had by reason of neglect, lost in weight through corrosion, as much as 50 to 60 lbs. That seems incredible but it is literally true.

The shrinkage in value was in even greater proportion. Had these packages been recognized as representing so much charged to equipment account and cared for as equipment, this particular company would have realized a handsome salvage value, instead of a total loss.

Certain services, of course, materially reduce the possible life of a drum. The principal example is sulphuric acid, a portion of which moves in steel. While compared to the total output of acid, the drum shipments are negligible, yet the investment in sulphuric acid drums is large. We have always made it a rule to decline to purchase acid drums, with the exception of those offered us from one plant. As names are not mentioned in this story, it is not amiss to say that over a period of five or six years, we have taken in excess of 15,000 drums

from this one point. These were sold for handling a wide range of materials and the percentage of defective drums reported to us by our customers has been almost nothing. There was a reason. It is the custom of this company to see that their drums were returned as promptly as possible,—they installed a good follow-up system for the purpose. Upon arrival at the home plant, each drum was washed with a strong soda solution, to neutralize the acid. Hence the high salvage value as against total loss. I realize that this is perhaps an extreme case, but the principle of applying intelligent care always results in a greatly lowered package cost. That means money in the pocket.

Few commercial services involve greater hardship on a drum than that imposed by the State Highway Commissions. There are thousands and thousands of 55 gallon drums scattered along our highways, filled with cold patch road binders of various type. In only one

Thirty years ago when Robert G. Wilson entered the drum business, steel packages were frowned upon in many quarters. Every sales effort then was met by strong opposition, and steel packages were introduced only after overcoming almost fanatical prejudice. Slowly, but surely, the steel barrel and drum has won its way into prominence until to-day, if the supply were suddenly shut off, the chemical and oil industries would be almost paralyzed for lack of shipping facilities. As the dean of American drum salesmen who has watched the use of metal shipping packages begin at nothing and become almost universal, Mr. Wilson's views are those of well-seasoned experience.—The Editors.

state have I ever seen proper care of the drums. Maryland is model in this respect, a shining example to any user of returnable drums. Every drum is well painted and all the drums for each patrol section are carefully piled on railroad ties, stout logs or other adequate supports. Some of these Maryland drums are eight or ten years old, to my certain knowledge and appear to be ready for many more years of usefulness.

It is also good practice to see that all bungs are well screwed home. Empties returned for credit should be examined as received and any loose plugs tightened down.

Many plants are also learning the lesson of making repairs. Most of the larger users of steel barrels are equipped with oxy-acetylene welding equipment. Suppose, for instance, that a drum, otherwise in good condition, has a spud with stripped threads. A welder can in a few moments and at nominal expense, cut out the old and weld in a new spud, and thus save from the scrap heap a package that may have cost from \$6.00 to \$15.00. It goes without saying that care must be observed in using the gas torch. Plugs should always be removed, and if the drum has been carrying volatile or inflammable materials, it should be washed out before the flame is applied. Serious accidents have occurred from failure to observe this commonsense rule. The question of cleaning drums, by rumbling, is a subject in itself and is not touched on here, except as indicating that proper care will often add to the life of drums which are affected from the inside outwards. In a word, realize that returnable packages are as much a part of essential equipment as machinery, that they represent a substantial investment, and that, while they will stand an immense amount of abuse, care and common sense will well repay the expense involved.

The U. S. Circuit Court of Appeals has refused the application of the Federal Trade Commission for an injunction to restrain Aluminum Co. of America from reacquiring the property of the Aluminum Rolling Mills Co., a former subsidiary, at sheriff's sale which will follow the obtaining of a \$600,000 judgment by the Aluminum Co. against Cleveland Metals Products Co. The Trade Commission ordered the Aluminum Co. to divest itself of stock holdings in the rolling mills concern and restrained it from selling the interest to any party with which it might be connected. The Cleveland company, which bought the rolling mills is out of business and owes the Aluminum Co. \$600,000.

H. A. Metz Laboratories, Inc., opened an office, recently, at 20 Natoma St., San Francisco. The company represents the following firms: Farbwerke Hoechst, Germany; Sandoz Chemical Works, Basle, Switzerland; Zimmer Quinine Works, Frankfurt, Germany; Swiss Serum Institute, Berne, Switzerland; Chemical Works of Gustrow, Germany; Berlin Anilin Works; Tropon Works, Cologne, Germany; and P. Beiersdorf & Co., Hamburg, a recent addition to the list.

Mrs. Alice Berkey Bishop, mother of Howard B. Bishop, who is president of John C. Wiarda & Co., Brooklyn, N. Y. heavy chemical manufacturers, died at Summit, N. J. on June 26. Mrs. Bishop was born at Tiffin, O. on Oct. 12, 1855. Interment will be at Grand Rapids, Mich.

California bentonite, after treatment with sulfuric acid, has been found to be an excellent bleaching agent for oils, according to a report by the Bureau of Mines.

Maximilian Toch of Toch Bros., New York, has been awarded a Doctor of Science degree by Peking University for his recent work in Chinawood oil.

GERMANY FORCED TO MAKE DYE PACTS WITH OTHER COUNTRIES TO FIND MARKETS

Production In 1922 Only Two-Thirds of Estimated Pre-War Output—Exports Now About One-Half Amount Sold Abroad In 1913—Allies Rapidly Becoming Independent of German Dyes

The position of Germany's dye industry at present, as contrasted with pre-war days, accounts for the keen desire on the part of the Cartel to consummate agreements with competitors, to buy out interests of major factors, or start factories in competing countries in order to obtain the proportion of the trade to which it believes it is entitled, according to Thomas W. Delehanty, of the Chemical Division, Bureau of Foreign and Domestic Commerce.

Up to the year 1913, the peak year of recorded pre-war production, it was estimated that Germany produced 295,000,000 pounds of dyestuffs, of which she exported approximately four-fifths. At that time it was estimated that Germany controlled 75 per cent of the world trade, and the approximately 13 per cent of dyes manufactured by competitors was evolved from German intermediates, which indicated a virtual control of 88 per cent of the world's consumption. Although the production facilities of the Cartel have been increased approximately 25 per cent over those of the pre-war years, yet production in the post-war peak year, 1922, was only two-thirds that of the estimated pre-war peak of 1913. When it is considered that in 1922 the exports of dyestuffs by Germany to all countries was only one-half of the exports in 1913 it is evident that only one-third of her potential capacity was utilized. This was due to the ambition of other countries to become independent of dyes from Germany and the success attained by the United States in supplying 93½ per cent of her own requirements, England 80 per cent and France, Italy and Japan, 40 to 50 per cent, besides increased production by Switzerland.

In the analysis of the German dyestuffs industry the attempt is made to indicate outstanding features in the development of the Cartel, the current trends and the effect under present conditions upon future developments. The report brings out the basic principles which have characterized German success, history of the dyestuffs industry and the development of the Dye Cartel, production figures since 1920 by dye groups and factories, effect of the Ruhr occupation and other important data. As now constituted, Germany is not wholly self-sufficient and must necessarily look to the rest of the world more and more for essentials since expansion within the Cartel is controlled by the natural resources of Germany. In order to justify production on a large scale, Germany is working out new uses, utilizing by-products, and fostering trade-mark and industrial specialties, this latter field having been tremendously expanded as evidenced by the fact that today the Cartel not only produces all dyestuffs used in Germany, but also heavy chemicals, fertilizers, specialty products and over 50 per cent of the pharmaceuticals.

Oliver C. Ralston, superintendent of the Pacific Experiment Station, United States Bureau of Mines, was the principal speaker at a meeting of the San Francisco Section, American Electrochemical Society held recently at the University of California.

Frederick Trowbridge, vice-president of American Aniline Products Co., of Chicago, Ill., died at the Palace Hotel, San Francisco, June 16, following a short illness. He was taken ill while in the southern part of the State.

MORE DYE STANDARDS ANNOUNCED

Supplemental List No. 2 Approved Under Terms of
Tariff Act of 1922

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C. July 2.—Secretary of the Treasury Mossley, in charge of Customs, on Friday signed another supplemental list of standards of strength of dyes and colors. This means that the list has been adopted under the provisions of Paragraph 28 of the Tariff Act. It is probable that these supplemental lists will be issued by the Customs Service from time to time. The list, supplemental No. 2, as adopted, is as follows;

(The names of Identical Products imported are indented under each Standard together with abbreviation for name of manufacturer.)

No.	Class Index	Name of Standard	Mfr.
1c	(M)	Acid Anthracene Red 5 BL.....	(By)
2c	(V)	Algol Violet R. 12% Paste.....	(By)
		Algol Violet R. Pastes & Powder.....	(By)
		Vat Brilliant Violet RK Pastes & Powder	(By)
3c	S.621 C.877	Brilliant Cresyl Blue BB.....	(L)
		Brilliant Cresyl Blue BB. conc.....	(L)
4c	(D)	Brilliant Cresyl Blue 2 BS.....	(L)
		Chloramine Light Grey B.....	(S)
5c	(D)	Chloramine Light Grey B. conc.....	(S)
		Chloramine Light Grey R.....	(S)
6c	(D)	Chloramine Light Grey R. conc.....	(S)
		Diamine Black RMW	(C)
		Direct Black RMW	(C)
7c	S.530 S.693 S.515 C.680	Formyl Violet S 4 B.....	(C)
8c		Methyl Violet B.....	(By)
		Methyl Violet B.....	(Var)
		Methyl Violet N.F.B.....	(B)
9c	(D)	Pluto Black A Extra.....	(By)
10c	S.571 C.572	Rhodamine 5 G.....	(B)
11c	(B)	Rhoduline Blue 5 B.....	(By)
		Tannocyanine B.....	(M)
Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards			
163	S.881 C.1184	Ciba Blue 2 BD. 16% Paste.....	(DOW)
		Brilliant Indigo N. Pastes & Powder.....	(B)
445	S.661 C.926	Thionine Blue GO.....	(M)
		Rhoduline Blue GO.....	(By)
		Rhodamine Blue GO.....	(By)

DEMOCRATS PLEDGE BETTER FERTILIZERS

Fertilizers, narcotics and the traffic in liquor are subjects on which the Democratic party makes pledges as follows in the platform adopted by the National Convention, New York, June 28:

"We reaffirm and pledge the fulfillment of the policy, with reference to Muscle Shoals, as declared and passed by the Democratic majority of the Sixty-fourth Congress in the National Defense act of 1916, 'for the production of nitrates or other products needed for munitions of war and useful in the manufacture of fertilizers.'

"We hold that the production of cheaper and higher grade fertilizers is essential to agricultural prosperity. We demand prompt action by Congress for the operation of Muscle Shoals plants to maximum capacity in the production, distribution and sale of commercial fertilizers to the farmers of the country, and we oppose any legislation that limits the production of fertilizers at Muscle Shoals by limiting the amount of power to be used in their manufacture.

"Recognizing in narcotic addiction, [especially the spreading of heroin addiction among the youth, a grave peril to America and to the human race, we pledge ourselves vigorously to take against it all legitimate and proper measures for education, for control and for suppression at home and abroad.

"The Republican Administration has failed to enforce the prohibition law, is guilty of trafficking in liquor permits and has become the protector of violators of this law. The Democratic Party pledges itself to respect and enforce the Constitution and all laws."

AMERICAN VALUATION FOR DYE DUTIES UPHELD BY CUSTOMS APPEALS COURT

Cases Brought by Kuttroff, Pickhardt & Co., Remanded to Board of General Appraisers for Findings of Fact—Burden not on Government to Show Non-Existence of Competitive Product

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 2.—Before adjourning for the summer, on Saturday, the United States Court of Customs Appeals took action on the remainder of the dye cases pending in the three cases of Kuttroff, Pickhardt & Co., Inc., against the United States. In dockets No. 2365 and 2366, Associate Judge Bland, reading the opinion of the Court, stated that the Court's opinion in case 2356, recently handed down, was adopted as controlling, and the cases were remanded to the Board of General Appraisers to enable it to make its findings of fact and conclusions of law as provided by statute.

The court also rendered a decision in case 2347 of Kuttroff, Pickhardt & Co., the opinion being rendered by Acting Presiding Judge Smith. The issue in this case was the dutiable value of certain dyes. The Court says in part:

"It is held that the General Appraiser erred in ruling that the burden was on the Government to show the non-existence of a competitive article and in admitting evidence as to the United States value of the importation, and that the Court of General Appraisers should not have sustained the original appraisement. The judgment of the Board is reversed, and the case remanded for further proceedings not inconsistent with this opinion."

In discussing the constitutionality question the court said in part:

"Congress was strictly within its rights in fixing an ad valorem rate of duty on imported coal tar products and defining the American selling price or United States value as the value to which that rate should be applied. Whether the power to lay duties and collect them was well or badly exercised in the enactment of paragraph 28 and section 402, is not for us to say—that is a political not a judicial question.

"There is nothing in paragraph 28 and in section 402 which would justify even an inference that they were designed for any purpose other than that of imposing duties on imported merchandise for revenue, or that their execution just as written would result in invading the rights of the states or in setting at naught any of the constitutional guarantees. The provisions are therefore in our opinion constitutional."

Taking up this matter further the court continued:

"Congress cannot, it is true, under the guise of laying a tax or imposing a duty, which clearly has no revenue purpose, assume a legislative jurisdiction either not granted or prohibited by the constitution and accomplish by indirection that which it has no authority to do directly."

Discussing other phases of the case the court says:

"The importer and not the government invoked the jurisdiction of the General Appraiser and upon the former devolved the duty of first proceeding and therefore the burden of establishing at least prima facie the value of the imported merchandise. In effect the importer complained to the general appraiser that the administrative appraisement was wrong. Unless that complaint was wholly without merit or a chance shot in the dark, the importer must have had some information, some evidence showing or tending to show that there was no similar competitive article produced in the United States."

L. A. Ault, president of Ault & Wiborg Co., Cincinnati, sailed for a three month tour of Europe last week.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 36-38

TIN SALTS HIGHER FOR JULY

Advance Due to Rise in Metal During June—Arsenic Is Steadier—Calcium Arsenate Weakens—Bleaching Powder Holding Firm—Caustic Potash Slipping—Barium Products Tending Easier—Prussiates Quiet and Unchanged—Market Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Tin Tetrachloride, 1/4c lb.
Tin Crystal, 1/4c lb.
Tin Bichloride, 3/4c lb.

Declined

Calcium Arsenate, 3/4c lb. Barium Chloride, Imp., \$1.00 ton

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetic Acid, Glacial....lb.	\$1.11	\$1.11	\$1.11	\$1.29 1/4	\$1.19 1/4	\$0.97
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.60	2.60	2.63	3.15	7.50	2.65
Bleaching Powder, 100 lbs.	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate, c/1, 100 lbs.	4.65	4.65	4.65	5.60	20.00	4.50
Potash Caustic, Imp....lb.	.06 3/4	.06 3/4	.06 3/4	.07 3/4	.87	.08
Soda Ash, 58 p.c....100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate ..lb.	.09 3/4	.09 3/4	.09 3/4	.11 1/4	.65	.06 3/4
Sodium Prussiate, Imp.lb.	.09 1/2	.09 1/2	.09 3/4	.16	1.25	.18
Average	2.912	2.912	2.917	3.162	10.79	2.99

General conditions in the market for industrial chemicals have shown practically no change during the week. While some factors report a slightly better undertone, nothing of importance has yet developed which can be construed as a revival in demand for chemicals. With the ultimate consumer, the public, showing lessened buying capacity, chemicals must mark time until a general revival takes place in all industries. The beginning of the Summer holiday season is usually a signal for lessened activity, but many factors are planning on sticking close to business during the summer in order to keep in daily contact with their customers and with any new developments. While the Summer months are not expected to see any radical change in the situation, a feeling is prevalent that the first quarter of the year will bring improved conditions in practically all consuming industries. Prices have apparently reached their lowest levels, though gradual shading here and there has been establishing lower quotations over monthly periods.

Acid, Acetic—Moving regularly though not in great volume. Makers' prices are unchanged with 28% in barrels at \$3.12@3.37 as to quantity; 56%, \$5.85@6.10; 70%, \$7.20@7.45; glacial, \$11.01@11.76.

Acid, Formic—In steady demand with imported material named at 12clb for 85% and 13clb for 90%.

Acid, Oxalic—Competition is still keen enough to keep prices at low levels during this period of quiet demand. Domestic and imported goods are offered at 10clb, spot and up to 11clb depending upon seller and quantity.

Acetone—Methyl is holding at 70c per gallon in tanks and 75c in drums. C.P. is stronger with one factor naming 16c@17clb while others still quote 15c@16clb, according to quantity. Acetone oil named at \$1.40@1.45 gal.

Ammonium Chloride—Quiet with prices unchanged at 6 1/4c@6 1/2clb for imported white and 7c@7 1/2clb for domestic. Grey named at 8 1/4c@8 1/2clb for grey, imported, and domestic at 8c@8 1/2clb.

Arsenic—Appears to have steadied at 8c@8 1/4clb., spot, for the white. Occasional sales are being made but generally speaking, demand continues slow. Calcium arsenate manufacturers are waiting for developments during the summer before placing orders.

Barium Compounds—Quiet conditions prevail in barium products. The chloride is generally quoted at \$80.00@\$82.00 ton, spot, though \$79.00 is possible on firm business. Carbonate is holding at \$62.00 ton for imported and \$66.00 for domestic at works. Nitrate named at 8 1/2clb. Dioxide, 15c@17clb.

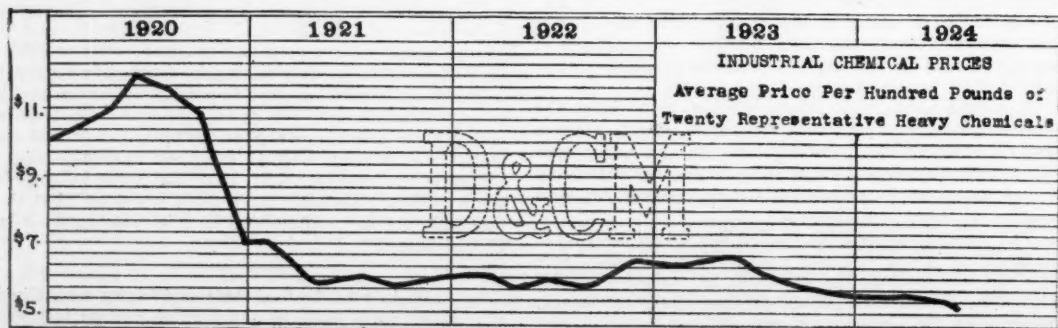
Bleaching Powder—Makers are holding firm at \$1.90 for carlots of large drums at works. Demand is seasonal but stocks are not as burdensome as a year ago. Small drums are quoted at \$2.15 in carlots and less than carlots, works, 15c higher. Spot lots held at \$2.35@2.60.

Calcium Arsenate—Summer demand has not yet developed but may arrive any day. In the meantime the market has weakened and sales are being made at prices ranging from 10c@10 1/2clb. delivered.

Carbon Tetrachloride—Unsettled and ranging from 7c@8clb as to seller and quantity.

Chlorine—Liquid chlorine has been holding firm on regular demand. Tanks are named at 4 1/2clb on contract; carlots of cylinders, 5 1/2clb; less than carlots, 6 1/2clb; less than ton lots, 7 1/2clb.

Copper Sulfate—Demand has been quiet from both industrial and agricultural sources. Prices are holding steady, \$4.60@\$4.75 for domestic and 4 1/4c@4 1/2clb for imported.



Glauber's Salt—Unsettled but should be firmer during the Summer months. Domestic named at \$1.20@ \$1.70 according seller and quantity. Imported held at 90c@95c per 100lbs.

Potash, Caustic—Generally held at 6¾c@6⅞c lb though sales have been reported at slightly lower figures of 6½c lb. Demand is quiet.

Potassium Prussiate—Quiet and holding at 18½c@ 19c lb for the yellow. Red has been firmer at 38c@ 40c lb.

Potassium Permanganate—Moving in a quiet way at 14c@14½c lb for domestic and imported.

Soda Ash—Consumption has been falling off and a quiet market is expected during the Summer. Makers prices are steady with contract business named at \$1.25 in bulk, \$1.38 in bags and \$1.63 in barrels for 56% light in carlots at works. Lc/l business in metropolitan district named at \$2.04@ \$2.19 in bags delivered and \$2.29@ \$2.44 barrels.

Soda, Caustic—Has firmed up following a weakness due to low priced export sales. Smaller shipments are reported during the Summer months. Prices are holding at \$3.10 for carlots of solid on contract at works; ground and flake, \$3.50. Spot business in less than carlots, \$3.76@ \$3.91 for solid and \$4.16@ \$4.31 for ground and flake.

Sodium Acetate—Firm on limited supplies at 5c@ 5½c lb.

Sodium Cyanide—Domestic material is holding steady at 22c lb for the 96-98%. French, 125-128%, is offered by first hands at 20c@20½c lb and resale lots at 17c@ 17½c lb. English is offered at 19½c@20c lb.

Sodium Prussiate—Little activity is reported in the market. Prices are holding at recent levels with imported named at 9½c@10c lb and domestic at 10½c lb delivered.

Tin Salts—Makers have advanced prices for July following the rise of tin metal prices during June. Bichloride now quoted 12¾c lb; crystals, 33c@33½c lb; tetrachloride, 26c lb. Oxide is unchanged at 48c@50c lb.

Metals

Copper has a slightly firmer tone at 12½c@12¾c lb for electrolytic on better foreign buying. Lead is a trifle easier at 6.95@7.00c lb New York, and 6.70@6.75 lb, E. St. Louis. Zinc has taken an upward turn though buying continues quiet; quoted, 6.15@6.20c lb, New York. Tin has been advancing gradually, showing a gain of ½c lb during the week to 44c lb for Straits.

CUT METHANOL PRICES FIVE CENTS

Methanol prices have been cut 5c per gal. by makers, who now quote the following prices: 95 per cent, 67c gal. works in tanks; 97 per cent, 69c gal. works in tanks; and pure, acetone free, 75c gal. works in tanks.

Experts of the Custom Service, Treasury Department who have been working on the investigation into the dumping of sodium nitrite on the American market, have about completed their work, and a decision will be written in the next week or so for submission to the Secretary.

The Department of the Interior has authorized the payment of 21 war minerals claims amounting to \$60,028. The largest was to the Manganese Products Company of Philadelphia, the amount being \$15,442.

F. H. Mason, of the DuPont Powder Company, Wilmington, Del., was a recent visitor at San Francisco.

PHILADELPHIA CHEMICAL PRICES LOW

The market for heavy chemicals in the Philadelphia district during June was affected by keen competition, present depression in some of the principal consuming industries, and weakness in values, according to the Federal Reserve Bank, of Philadelphia, which says: "The bulk of the business has been for spot delivery, although some dealers report that they have orders on their books for September shipment. Since mills are restricting their orders to small quantities, sufficient only to cover their immediate requirements, withdrawals on old contracts are not satisfactory. In consequence new contracts, especially in bleaching powders and chlorines, are limited and are usually made at lower figures than last year. Demand for alkalis and bichromate of soda, potash and oil chemicals is especially dull owing primarily to the drastic recession in textile and leather trades. While charcoal and wood alcohol are reported to be selling slightly better than other wood chemicals, business in methanol, acetate of lime and tar is very slow. Nor is there any pronounced improvement in the market for phosphates, potashes and nitrogenous materials, the buyers of which, particularly of nitrate of soda, are delaying their purchases. Although the present market for dyestuffs and intermediates is less active than last month, trading in dry pigments, such as lithopone, appears to show a slight improvement.

Chemical plants in this district are operating at about 50 to 60 per cent of single shift capacity and the supply of labor is adequate. While total weekly wage payments from April 15 to May 15 increased 0.3 per cent, the average weekly earnings increased 1.2 per cent during the same period.

Principally because of sharp competition and dullness in the market, quotations on both heavy and light chemicals are generally lower than they were a month ago and buyers continue offering firm resistance to prices."

CALCIUM CHLORIDE IN DEMAND IN FRANCE (Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, June 20.—Chemicals for the glass industry are in small demand in France owing to the fact that manufacturing slows down during the summer months. Paints and chemicals for paint manufacture, on the other hand, are in firm demand owing to the increased business during the dry weather. Calcium chloride is much sought after, as at this time of year it is always in great request, spot goods being very short, prices very firm and supplies below normal. Calcium chloride containing 75 per cent of CaCl₂ is now quoted francs 33 per 100 kilograms (exchange rate francs 18.70 to the dollar).

Although the Ammonite Co. of Dixon, N. J., was acquitted at a trial on a charge of maintaining a nuisance following the explosion of March 1 when thirteen persons were killed and many others injured, a new inquiry has been started by the Middlesex County grand jury in New Brunswick. Subpoenas were issued June 26 for witnesses who are to testify as to their knowledge of the causes of the accident.

Nitrate sales in Chile for 1923-24 reached 22,131,067 quintals (1 metric quintal equals 220.44 lbs) on May 17. The prospects for the coming nitrate year are very good, since sales up to and including May 17 fell only about 200,000 metric quintals short of the 11,000,000 mark. This quantity has brought prices ranging from 19 shillings 3 pence to 20 shillings 7 pence per metric quintal.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 36

PHENOL AND PYRIDINE SHOW EASINESS

Lack of Demand Counteracting Limited Supplies—Benzol and Toluol Positions Gaining Strength—Cresylic Acid in Slow Demand—Naphthalene Continues Weak on Large Supply—Dimethylaniline at Lower Levels—Dyes and Intermediates Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No Advances
Declined
Phenol, 1c lb.

	Trend of the Market			Last Year	War Peak	Pre. War
	Today	Last Week	Last Month			
Benzene, pure	gal. \$24½	\$24	\$24	\$27	\$1.10	\$23
Naphthalene, flake	lb. .08½	.08½	.08½	.08	.16	.03
Phenol, Spot	lb. .27	.28	.28	.40	1.50	.08
Toluene	gal. .26	.26	.26	.29	..	..
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine	lb. .35	.35	.35	.35	1.28	..
Benzaldehyde	lb. .75	.75	.75	.75	..	..
Betanaphthol	lb. .26	.26	.26	.23	1.50	.08
Dimethylaniline	lb. .36	.36	.36	.41	1.30	..
Paranitroaniline	lb. .70	.70	.70	.73	1.58	.18
Average	0.342	0.343	0.347	0.378	..	..

Quiet conditions continue to pervade the market for dyes, intermediates and crudes. Consuming demand has dwindled to occasional small orders for prompt delivery as industry is embraced by the proverbial dullness of the summer months. While it is admittedly quiet in practically all quarters, present conditions have created a new selling spirit. Sellers are keeping a vigilant eye and ear open for every possible sale, no matter how small, and are camping at consumers' doors in constant touch with their activities for present as well as future business. In many cases orders are being taken which the salesman would not deign to consider in the past. These conditions have also developed keen competition among sellers, but, while occasional concessions are being made, prices have been holding up surprisingly well in many of the products, especially intermediates. Among the crudes, light oils have been gaining strength owing to the curtailed production at the coke ovens. If demand should increase only slightly it would no doubt be almost immediately be reflected in higher prices. Dyestuffs are naturally quiet owing to the continued inactivity in the textile mills. Recent reports, however, indicate that the turning point has been reached and many factors look for a gradual improvement during the last half of the year.

Crudes

Benzene—The effect of the curtailment of production at the coke ovens is becoming more pronounced as the weeks pass by. Only the lack of demand for industrial purposes is keeping prices from moving upward. Motor benzol is in demand, however, and producers are having difficulty in filling orders. The gasoline situation is unsettled but lower prices apparently will have little effect upon motor benzol except in instances where prices are based upon tank wagon price of gasoline. Pure benzene appears stronger though still selling at 24c and 25c per gallon in tanks at mills, and 30c in drums. Ninety per cent benzene is firm at 23c in tanks at mills and 28c in drums.

Cresylic Acid—Demand is more or less routine and shading is possible in cases where firm business is involved. Pale acid is quoted at 65c@70c per gallon as to quantity and seller. Dark acid held at 60c@63c gallon.

Naphthalene—Demand has been disappointing this year and with the selling season practically over, prices are weak and supplies plentiful. Flake is being quoted at 5½c@6c lb and balls at 6c@6½c lb. Chipped named at 5c lb.

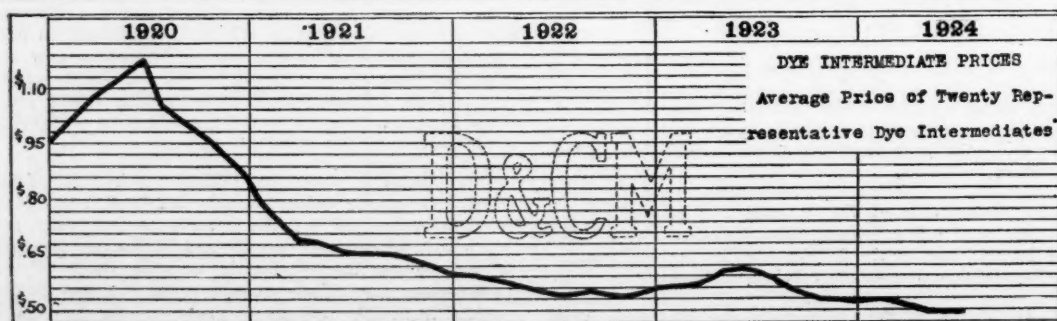
Phenol—Demand has quieted down to an occasional order for small quantities and prices appear to be a trifle easier. Apparently stocks are in small supply and any demand would find prices sensitive. General quotations in the open market are 26c@28c lb according to holder, the inside price being available in at least one direction while others are quoting 28c lb. Bids of 25c failed to find sellers.

Pyridine—Consumers are showing little interest at present and prices have been weakening. While supplies are not heavy they are in excess of demand. Spot prices are named at \$4.00 per gallon.

Solvent Naphtha—Owing to limited supplies prices are holding firm at 25c per gallon in tanks at mills and 30c in drums.

Toluene—Demand is reported quiet but with supplies small prices are holding firm at 26c per gallon in tanks at mills and 31c in drums.

Xylenes—Occasional sales with prices unchanged at 26c for commercial in tanks and 31c in drums; 10 degree, 35c@40c in drums; 5 degree, 40c@45c in drums.



Intermediates

Acid, Anthranilic—Quiet routine demand with technical at 94clb and refined \$1.00lb.

Acid, Cleves—Occasional sales with makers naming \$1.00@\$1.10lb.

Acid, H—Fair deliveries on contract and occasional sales at 72c@75clb as to quantity.

Alpha-naphthol—Crude is quiet at 65clb and refined is moving occasionally at 65clb.

Alpha-naphthylamine—Unchanged and quiet at 35c@37clb in makers' hands.

Aniline Oil—Continues in quiet demand at steady prices of 16c@17clb according to quantity.

Benzidine—Base is moving occasionally at 80clb.

Beta-naphthol—The range is quoted 24c@26clb with the inside price for carlot quantities.

Dimethylaniline—Now holding at 35c@36clb according to seller and quantity.

Ortho-toluidine—In slightly better demand. Price unchanged at 13c@15clb as to quantity.

Para-nitraniline—Generally quoted at 70clb though occasional sales are reported around 68clb.

Para-toluidine—Quiet and unchanged at 80clb.

BARRETT CO. WINS RATE CASE

Washington, D. C., July 2.—The rate on coal tar in tank car-loads from Fairmont, W. Virginia to East Boston, Mass., has been found unreasonable by the Interstate Commerce Commission; reparation awarded. A decision to this effect was rendered by the commission in docket 14,872 of the Barrett Company against the Baltimore and Ohio R. R. Company.

Alizarin dyes imported during April totaled 2,200 pounds, valued at \$6,864, according to the Department of Commerce. Of these dyes, the largest quantity came from Germany. There were no imports of indigo during the month. Imports of all other dyes during April totaled 206,986 pounds valued at \$238,587.

During April 81,735 pounds of logwood extract, valued at \$11,082, were exported. Other dye extracts exported totaled 150,556 pounds, valued at \$19,914. Exports of coal tar colors, dyes and stains totaled 1,104,824 pounds valued at \$344,605.

The June issue of "Dyestuffs", published by National Aniline & Chemical Co., contains articles on the preparation and dyeing of ladies' dress fabrics, treatment of pulled wool, sulfur colors on cotton, hosiery dyeing and its problems, and spray dyeing of leather.

NEW DYES IN CLASSIFIED LIST

Chemical Divisions Designate Competitive and Non-Competitive Products Recently Imported

The Chemical Division of the Bureau of Foreign and Domestic Commerce in conjunction with the Chemical Division of the Tariff Commission has prepared a supplementary list of dyes and chemicals imported in January, February, March and April, which have now been classified as competitive or non-competitive, as follows:

Dyes Imported in January

Helindone red IBN Extra Powder..... N C

Dyes Imported in February

Alizarine Blue AS Powder..... N C
Vat Grey GK Powder..... N C
Vat Brown R Powder..... N C
Vat Brilliant Violet RK Powder..... N C
Fast Light Yellow 3 G..... N C
Vat Brown R Paste..... N C
Vat Brilliant Violet BBK Paste..... N C
Vat Brown G Paste..... N C
Vat Green BB Paste..... N C
Vat Olive R Paste..... N C
Brilliant Wool Blue B Extra..... N C
Alizarine Indigo Brown R Paste..... N C
Algol Olive R Powder..... N C
Helindone Violet B Paste..... N C
Hydron Scarlet 2 B Powder..... N C
Indanthrene Violet BN Extra Powder..... N C
Indanthrene Golden Orange RRT Paste..... N C
Indanthrene Golden Orange G Double Paste..... N C
Anthraflavone GC Paste..... N C
Indanthrene Rose B Double Paste..... N C

Dyes Imported in March

Helindone Pink R Extra Paste..... C
Alizarine Blue Black B Powder..... N C
Alizarine Claret R Paste..... N C
New Methylene Blue N..... N C
Hansa Yellow G Paste..... N C
Helindone Red B Paste..... N C
Diamine Fast Orange ER..... N C
Vat Violet BN Extra Paste..... N C
Vat Red BN Extra Paste..... N C
Cyananthrol BGAO..... N C
Diamine Fast Orange EG..... N C
Thio Indigo Brown G Powder..... N C
Algol Brown R Powder..... N C
Helindone Orange R Paste..... N C
Vat Blue 5 G Powder..... N C
Sulphide Violet V..... N C
Hansa Yellow G Powder..... N C
Helindone Golden Orange IG Double Paste..... N C
Helindone Pink R Extra Paste..... N C
New Methylene Blue N..... N C
Helindone Black IBB Double Paste..... N C
Fast Acid Violet R..... N C
Alizarine Red DIB New..... N C
Fast Acid Violet B..... N C
Helindone Red DIBN Extra Paste..... N C
Diazo Sky Blue 3G..... N C

Helio Bordeaux BL Powder..... N C
Vat Corinth RK Powder..... N C
Wool Brown AF..... N C
Brilliant Wool Scarlet PG..... N C
Brilliant Wool Scarlet P3R..... C

Dyes Imported in April

Vat Orange G Paste..... N C
Benzo Fast Orange 2 RL..... N C
Vat Golden Orange G Paste..... N C
Vat Red R Paste..... N C
Indanthrene Red Violet RRR Paste..... N C
Seto Glaucine 753..... N C
Methyl Lyons Blue 410..... N C
Erio Chrome Flavine A Conc. 1015..... N C
Roduline Yellow T..... N C
Alizarine Rubinoles R Powder..... N C
Pyrazol Orange G Conc..... N C
Vat Orange RRT Paste..... N C
Fast Red RL Base Powder..... N C
Fast Black LB Base Powder..... N C
Alizarine Blue Black B Powder..... N C
Indanthrene Blue KS Triple Powder for paper..... N C
Anthraflavone GC Paste..... N C
Algol Brilliant Violet R Powder..... N C
Algol Brown G Paste..... N C
Algol Brown R Paste..... N C
Algol Corinth R Powder..... N C
Trisulfon Brown B Conc..... N C
Indanthrene Blue 3 G Powder..... N C
Erica B Conc..... N C
Fur Grey B..... N C
Diamine Orange B..... N C
Fur Brown P..... N C
Metachrome Blue Black 2 BX..... N C
Fur Brown 4 R Paste..... N C
Milling Yellow GA..... N C
Congo Orange R..... N C
Metachrome Brown 6 G..... N C
Fur Yellow 4 G..... N C
Chrome Fast Garnet BL..... N C
Indanthrene Black BB Double Paste..... N C

Chemicals Imported in April

Paracresol Acetate..... N C
Antalgal..... N C
Cinnamic Aldehyde..... N C
Acetophenone..... N C
Benzylidene Acetone..... N C
Ethyl Cinnamate..... N C
Methylacetophenone..... N C
Caffeine Sodium Benzoate..... N C
10 cc Epinine..... N C
25 cc Epinine..... N C
Neocaine Pure..... N C
Phenyl Ethyl Alcohol..... N C
Methyl Anthranilate..... N C
Toncarine..... N C
Phthalic Ether..... N C
Benzyl Benzoate..... N C
Jacinthea Absolute..... N C
Guaiacol Cacodylate..... N C
Benzyl Acetate..... N C
Heliotropine..... N C
Phenylethyl Alcohol..... N C
Benzyl Acetate..... N C

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 55

LINSEED OIL ADVANCED BY CRUSHERS

Argentine Flax Market in Strong Position—Crude Cottonseed and Corn Oils Higher at Mills—Niger Palm Oil Advanced—Chinawood Oil Continues Unsettled—Soya Bean Oil Higher at Coast—Stearine Oleo Makes Further Advance

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Coconut Oil, Manila, tks., coast, 1,000 lb. gal.	Linseed Oil, all grades, 2c gal.
1/4c lb.	Oleo Oil, No. 1, spot, 3/4c lb.
Corn Oil, crude, tks. mills, 1/4c lb.	No. 2, bbls., spot, 3/4c lb.
Cottonseed Oil, crude, mills, 1/4c lb.	Olive Oil Foots, ship's, 1/4c lb.
P.S.Y., bbls., N.Y., 1/4c lb.	Palm Oil, Niger, 1/4c lb.
Lard Oil, edible prime, 1/4c lb.	Soya Bean Oil, tks. coast, 1/4c lb.
	Stearine, oleo, bbls., 1c lb.
Declined	
Neatsfoot Oil, extra, 1/4c lb.	Chinawood Oil, coast tanks, 1/4c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N.F. gal.	\$.64	\$.64	\$.64	\$.70	\$1.26	\$.36 1/2
Degras, American, bbl. lb.	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.23	.03 1/2
Lard, No. 1 gal.	.81	.79	.79	.79	2.90	.92
Menhaden, crd., bbls. gal.	.40	.50	.50	.50	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.46	1.46	1.38	1.25	3.45	.95
Red Oil, distilled lb.	.09	.09	.09 1/4	.09 1/4	.17	.07
Stearic Acid, T.P. lb.	.13 1/4	.13 1/4	.13 1/4	.14 1/4	.33	.12
Coconut, Ceylon, bbls. lb.	.09	.09	.09 1/4	.09 1/4	.90	.14
Cottonseed, crude, tks. lb.	.09	.08 1/4	.08	.10	.25	.08
Linseed, carlots gal.	.96	.94	.94	1.12	1.88	.57
Olive, denatured gal.	1.21	1.21	1.22	1.15	4.50	1.05
Peanut, refined lb.	.15 1/4	.15 1/4	.15 1/4	.16 1/4	.30	.08
Soya Bean, bbls. lb.	.12	.12	.12	.12 1/4	.19 1/4	.07
Average	0.477	0.481	0.476	0.484	1.30	0.362

Conditions affecting the market for miscellaneous oils have improved consistently during the past week. Although no great demand has been in evidence, the majority of oils have shown an inclination toward firmness. Factors in the animal oil field report an increasing demand from abroad, particularly from Germany, Holland and the Scandinavian countries, which has brought stronger prices here. Domestic consumption continues small with purchasing from the consuming channels limited to conservative quantities. Inquiries, however, have become more numerous and it is generally believed that following the summer months, buying will expand. As predicted some time ago, linseed oil has advanced 2c per gal. on all grades, owing to strength in the Argentine seed markets. Cottonseed oil is in a strong position which is followed by advances in corn oil. Fish oils continue in light demand with interest in crude menhaden oil at a low ebb.

Vegetable Oils

Castor Oil—There has been no change in the market

during the past week and prices are unchanged at recent levels. No. 1 is quoted 16c@16 1/2c lb. and No. 3, 15 1/2c@16c lb.

Chinawood Oil—There has been no feature of importance in the market during the week. Demand continues light and, although inquiries have given the market a slightly better tone, no decided improvement has been reported. Spot oil is quoted 12 1/2c@12 3/4c lb. with tanks, at the coast, lower at 11c@11 1/4c lb.

Coconut Oil—A somewhat better sentiment prevails both locally and at the coast. Manila, at the coast, is higher at 7 3/4c@7 7/8c lb. Ceylon, in barrels, N. Y., is quoted 9c@9 1/4c lb. Cochin is unchanged at 10c@10 1/4c lb., in bbls., N. Y.

Corn Oil—A further advance has taken place in crude corn oil at the mills, in tanks, to 9c lb. Market continues in fairly strong position due to a similar situation in cottonseed oil. Refined oil is quoted 11 3/4c@12c lb.

Cottonseed Oil—Further advances have been noted in P.S.Y. and crude oil during the past week, with the market maintaining a firm undertone. Crude oil is quoted higher at 9 1/4c lb. Active months for P.S.Y. oil on the exchange are July, September and October with prices opening the week as follows: July, 10.80@11.00; Aug., 10.80@10.95; Sept., 10.85@10.80; Oct., 10.44@10.45; Nov., 9.44@9.50; Dec., 9.35@9.42.

Linseed Oil—With a stronger situation existing in the Argentine flax market, crushers have advanced all grades 2c gal., with carlots on the basis of 96c gal. and less than carlots, 99c gal. London linseed oil is quoted 40s 6d, and Antwerp, 370f per 100 kilos. Flax markets are stronger as follows: Duluth, July, \$2.39 1/2; Sept., \$2.15 1/4. Winnipeg, July, \$2.17 1/4; Oct., \$1.95; Dec., \$1.89. Buenos Aires firm at \$1.81 1/4.

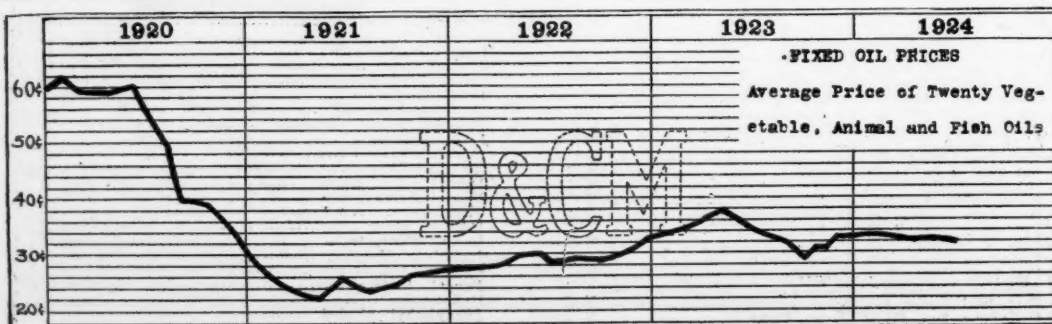
Palm Oil—Demand continues fairly steady with inquiries coming in more steadily. Price of Niger has advanced to 7c@7 1/4c lb. in casks. Lagos is unchanged at 7 1/4c lb@7 1/2c lb.

Olive Oil—Market has remained quiet during the week with the sentiment showing improvement. Denatured is quoted \$1.20@1.22 gal.

Soya Bean Oil—An improvement in interest has been shown for crude oil at the coast which is followed by an advance to 10 1/4c lb. Spot N. Y. is quoted 12c@12 1/2c lb.

Animal Oils

Lard Oil—With demand from abroad increasing,



prices for most grades have advanced $\frac{1}{4}$ clb. Edible price is now quoted 14clb.

Oleo Oil—Price for No. 1 has advanced to 13 $\frac{1}{4}$ c@13 $\frac{1}{2}$ clb. with No. 2 at 10 $\frac{1}{2}$ clb. Demand has increased during the past week and the market is in fairly strong position.

Red Oil—Market has continued steady during the week with demand fair. Distilled is quoted 8 $\frac{3}{4}$ c@9 $\frac{1}{2}$ clb.

Stearine Oleo—Sellers have advanced the price sharply to 11 $\frac{1}{2}$ c@11 $\frac{3}{4}$ clb., with demand from abroad increasing consistently.

Fish Oils

Cod Oil—Market has been quiet during the week with prices remaining unchanged at declines registered last week. Newfoundland oil is quoted 59c@61c gal. in coopeage, N. Y., and 54c@56c gal. in tanks, N. Y.

Menhaden Oil—There has been very little interest shown in the market for crude oil at 40c gal., in tanks. Fishing in the Chesapeake Bay district is not yet producing the expected results but, with more seasonal weather, the catch is expected to reach its normal proportions. Light strained oil is quoted 59c@60c gal.

Naval Stores

Turpentine—Market during the past week has been fairly steady with prices maintaining a firm tone. Turpentine, ex-yard, N. Y., is quoted 83c gal. Demand is improving in both local and primary markets with a better sentiment in existence. Savannah is firm at 77 $\frac{1}{2}$ c gal.

Rosins—Prices made no change during the past week. The situation locally, and in the Southern markets, showed improvement and interest from abroad indicated slightly better export demand. The following quotations are holding: B, \$5.55; D, \$5.65; E, \$5.75; F, G, H, I, \$5.80; K, \$5.85; M, \$5.90; N, \$6.10; WG, \$6.90; WW, \$7.60.

A naval store commission representing American producing industries will sail July 9 for a six weeks inspection trip in France. While the commission has no official status, the Department of Agriculture has been making arrangements abroad that will facilitate its work, the primary objects of which are to study operating conditions in the French industry and to gain first-hand impressions of the extensive reforestation projects in that country. J. G. Pace, of Pensacola, Fla., is chairman of the commission.

E. R. Smead & Co. brokers and sales agents in paint and varnish raw materials, have opened an office at 123 W. Madison st., Chicago, in charge of Ralph S. Viall, formerly general sales manager of Upressit Products Corp. The main office of the company is in Cleveland with branches in Philadelphia and New York City.

Rates on linseed oil in carloads from Philadelphia to various points in territory subject to official classification have been found unreasonable by the Interstate Commerce Commission and reparation has been awarded. The decision was in case 15,466 of Bisbee Linseed Co., Philadelphia, against Pennsylvania R.R. Co.

The soya bean market has been quiet with a tendency toward increasing dullness as a result of weakening European demand, says a cablegram to the Department of Commerce from Commercial Attache Arnold, at Peking. The vegetable oil market was very dull during May.

J. Eavenson & Sons, Camden, N. J., manufacturers of soaps, will rebuild the part of their plant recently destroyed by fire.

TURPENTINE DEMAND IS STEADY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., June 30.—Turpentine closed firm at 77 $\frac{1}{2}$ c, fractionally higher than last week. Demand has been steady during the week and with a continuance of this condition, together with the deliveries on July contracts, higher prices may be expected. The low prices which have prevailed have created more interest among consumers. Export demand has been active with foreign steamers loading during the week. Receipts for the week, 4,862 bbls; sales reported, 1,930 bbls; shipments, 3,096 bbls; stock, 10,312 bbls. Rosins closed firm but at prices slightly lower than a week ago on nearly all grades. Buyers are showing some indifference and buying is mainly for investments where quotations are considered cheap enough. Receipts for week, 14,102 bbls; sales, 10,096 bbls; shipments, 10,298 bbls; stock, 92,771 bbls.

Jacksonville, Fla., June 28.—Turpentine closed firm 78 $\frac{1}{4}$ c following good demand for domestic and foreign accounts. Stocks, 17,285 bbls; Rosin closed firm, holders refusing bids below the market. WW, \$6.25; WG, \$5.75; M, \$4.60; N, \$4.75; K, \$4.60; I, G. H. F, \$4.55; D, \$4.45; B, \$4.35. Stocks, 110,825 bbls.

PAINT AND OIL SUPPLIES WANTED

The General Purchasing Officer, Panama Canal, Washington, D. C., will take bids until July 11, for a quantity of paints, dry colors and other materials, as specified in Panama Circular 2355. Also, until July 18, for quantities of rubbing varnish, enamel, paint remover, bis-marck brown, zinc oxide, burnt sienna, salt water soap, ethyl alcohol and other products, as set forth in Circular 1618.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (No. 42429) from Oil & Allied Products Co., P. O. Box 103, Cawnpore, India, for a quantity of commercial chemicals including manganese, cobalt, lead dryers and other dryers. The company is also in the market for equipment and apparatus for crushing oil seeds; refining and bleaching of oils; boiling paint oils, and linseed oils; emulsification of oils; preparing pigments for paints; manufacture of soap. It will also purchase transfers for labeling kegs and drums.

The Bureau of Supplies & Accounts, Navy Department, Washington, D. C., will take bids until July 15, for 6,500 gallons of raw linseed oil, for the Mare Island navy yard, as specified in Schedule 2386. Also, at the same time (July 15) for 5,500 gallons black asphaltum varnish for the Mare Island navy yard; 800 gallons interior varnish, for the Puget Sound navy yard; 700 pounds ultramarine blue, 1,200 pints liquid blue, and 2,000 pounds of chrome yellow, all for the Mare Island navy yard; and 6,000 pounds of metallic brown for the Puget Sound navy yard, all as set forth in Schedule 2361. Until July 8, for 5,000 pounds acetone, as per Schedule 2397. Until July 8, for 5,000 pounds of ammonia for the Hampton Roads navy yard, Schedule 2394.

Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, Pa., has received an inquiry (No. 42,366) from a company at Athens, Greece, desiring to get in contact with concerns in the United States, exporting cornstarch, molasses, (cane sugar, 55 per cent polarization) and bitumen. Also, an inquiry (No. 42,377) from a concern at Karachi, India, desiring to get in touch with companies in the United States, exporting tanners' and curriers' finishes and supplies, and other materials.

Quartermaster Supply Officer, Fort Mason, Cal., will take bids until June 20, for a quantity of soaps, as per Circular 2.

Chemicals for Consuming Industries

Heavy Chemicals, page 36, Tan and Dyestuff, page 56, Fatty Oils, page 55

CHEMICAL PRICE UNDERTONE FIRMER

Larger Number of Small Orders Gives Market Appearance of Being "Less Weak"—Fewer Reductions During Past Ten Days—Broad Rise in Prices Does Not Seem Immediately Pending

Although chemical buying has not expanded beyond small lots, the number of orders shows signs of increasing. The undertone of prices is considerably firmer as is evidenced by the few changes during the past ten days as compared with the broad downward movement still in force just prior to this period. Chemicals are still far from strong, however, and the present status of the market might well be termed "less weak". Experience shows that broad advances in chemical prices have usually been preceded by an increase in small-lot business and scattering price movements toward higher levels. Many of the economic services are distinctly hopeful for improved Fall business. The Fall, however, is three months away. In the meantime, although prices may strengthen at current levels, consumers of chemicals do not seem destined to pay higher prices, except perhaps in isolated cases.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100 lbs.	2.50	2.50	2.60	3.20	7.75	2.65
Arsenic .....	.08	.08	.08	.15	.18	.04
Copper Sulfate ....100 lbs.	4.65	4.65	4.65	5.50	20.00	4.50
Paris Green .....	.30	.30	.30	.30	.50	.11
Potash Muriate, 90°.....ton	31.00	31.10	31.10	35.55	475.00	39.57
Potash Sulfate, 90°.....ton	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68°.....ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16°.....ton	7.50	7.50	7.50	9.00	21.00	15.00
Sodium Nitrate ....100 lbs.	2.62	2.62	2.60	2.50	5.00	1.90
Average	10.634	10.617	10.625	11.957	108.54	13.484

While this is the quiet season in fertilizers enough inquiry and business is passing, together with the somewhat limited stocks in some products, to keep prices steady and in some cases showing signs of strength. Ammoniates especially have an upward tendency. Fish scrap is in limited supply owing to small catches of fish. Tankage continues firm. Nitrate of soda has been scarce and prices are holding at recent levels. Among the insecticides, calcium arsenate has not started to move yet and prices are being slashed in order



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Phosphate of Soda
Epsom Salts
Ammonium Phosphate
Phosphoric and Formic Acids
Oxalic Acid

BRANCHES
New York
Nashville
St. Louis

to reduce stocks. Sudden demand, however, is likely to begin at any moment now.

Fertilizers

Ammoniates—A few lots of dried blood are available and are being held at \$3.00@3.10 at New York; Chicago, \$3.15@3.25; steamed bone at Chicago is held at \$20.00@21.00 ton; steamed bone meal at Baltimore has sold lower at \$24.00 ton; poor fishing has kept fish scrap supplies small and prices stronger; dried at works is higher at \$3.25@3.50 and the wet acidulated is held at \$2.85; tankage is quiet but firmly held at \$2.65@2.75, New York, and \$3.00 unit Chicago.

Sodium Nitrate—Stocks in Atlantic ports are small and prices are holding firm at recent levels. Another shipment is due to arrive within a week, most of which has been sold, so little relief is expected for the present. Spot prices are named at \$2.62½; early July at \$2.45@2.40; late July, \$2.37½; Aug., \$2.37½@2.40.

Sulfuric Acid—While demand is not active occasional sales are being made along with the regular contract deliveries. Producers are holding tank cars of 60° acid at \$9.00 ton at works and 66° at \$14.00 ton.

Sulfur—Shipments have been holding up well and the first half of the year compares favorably with last year. Crude is steady at \$14.00 ton at mines or \$18.00 ton Atlantic ports.

Lime—Agricultural lime is holding at \$10.50@12.50 ton according to quantity in bags at mills.

Insecticides and Fungicides

Arsenicals—Some sections of the South have been using calcium arsenate quite freely but demand has not yet begun. Makers report little buying but that demand may begin at any moment or may not come

at all. Prices have eased off to 10c@10½clb. delivered. Arsenic is holding steady at 8c@8½clb on quiet demand; sodium arsenate named at \$1.20@1.50 gal. for 8lb material; Paris Green is in fair demand at 30clb in kegs; lead arsenate continues at 18½c@20clb for dry and 10c@15clb for paste.

Miscellaneous—Bordeaux mixture has become routine with makers quoting 11¾c in large lots and up to 18clb in small quantities; formaldehyde held at 9½c@9¾clb; para-dichlorobenzene has been going well at 17c@22clb; carbon bisulfide is held at 6c@6¾clb; nicotine sulfate routine at \$1.10@1.35lb as to quantity; corrosive sublimate, holding at 98clb; lime sulfur, 8c@8½clb for dry and liquid, 15c@16c per gallon.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.13	.13	.13	.12½	1.50½	.07
Acid, Lactic, 22% dark....	.05	.05	.05	.04½	.07	.02
Potassium Bichromate ....	.09¼	.09¼	.09¼	.10	.65	.06¼
Epsom Salt, tech.	1.80	1.80	1.80	1.85	3.75	1.00
Sodium Prussiate, Imp....	.09¼	.10	.10	.16	1.25	.18
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.45	4.10	.60
Sodium Bichromate .....	.07¼	.07¼	.07¼	.07¼	.45	.04¼
Sodium Hyposulfite, pea..	2.50	2.50	2.75	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.08¼	.08¼	.08¼	.04¼	10¼	.02¼
Average .....	.931	.931	.956	.999	3.267	.528

Chemical prices have been practically stationary during the week. Demand has shown no signs of improving over the spasmodic consumption of small quantities. Tanning materials continue to arrive but prices have

THE CLEVELAND-CLIFFS IRON CO.

UNION TRUST BUILDING

CLEVELAND, O.

ACETIC ACID
ALL GRADES

not yet been affected. In the case of sumac, prices continue strong owing to scarcity.

Acids—Acetic acid has been holding steady on fair demand at \$3.12@3.37 for 28% as to quantity in barrels; 56%, \$5.85@6.10; 70%, \$7.20@7.45; glacial, \$11.01@11.76; formic continues in steady demand at 12½c/lb. for 85% and 13c/lb. for 90%; lactic acid is moving steady at unchanged prices of 5c@5½c/lb. for 22% dark; light, 5½c@6c/lb.; 44%, dark, 10½c@11c/lb. and light, 12½c@13c/lb.; muriatic is routine at \$1.30@1.75 according to quantity in carboys; nitric is unchanged, 5c@5½c/lb. for 38%; oxalic acid continues weak at 10c@11c/lb. according to seller and quantity; sulfuric is steady at \$1.25@1.75 for 66° in carboys; tartaric named at 27c@30c/lb.

Alkalis—Caustic soda has been holding up fairly well in volume consumed during the past month. A slight weakness, due to low quotations for export, has apparently passed over. Makers hold contract prices steady at \$3.10 for solid in carlots of drums at works; ground and flake at \$3.50 on contract. Spot prices for less than carlots, solid, \$3.76@3.91, delivered; ground and flake, \$4.16@4.31. Soda ash has been quiet and slow. Contract at \$1.38 in carlots of bags and \$1.63 in barrels; spot prices for bags, \$2.04@2.29 and \$2.29@2.44 in barrels.

Dye and Tan Woods—Firmness of divi divi has featured this group during the past week. Supplies for shipment named at \$43.00@44.00 ton. Mangrove bark quoted steady at \$34.00@36.00 ton. Myrobalans are scarce and reports from the Far East state that many fictitious offers are being made, and to locate stocks is becoming more difficult. J-1 named at \$38.00@39.00 ton, and R-1 \$34.00@35.00 ton. Valonia Beards firm at \$49.00@50.00 ton.

Extracts—Movement of this group of items has been routine only, and reports are heard that contract goods are also moving slowly. Gambier, common, has advanced and now quoted at 12½c@13c/lb. spot, and cubes at 21c@23c/lb. Hematine paste quiet at 9½c@13c/lb. spot, and crystals 12c@20c/lb. Quebracho in small demand at the moment at 3c@3½c/lb. spot for 35 per cent liquid, and 4c@4½c/lb. for solid 65 per cent material.

Oils—Market has shown stronger tendencies during the past week with advances reported in many quarters. Corn oil, following the cottonseed oil situation, has advanced further to 9c/lb. in tanks at mills. Cod oil is quiet at 59c@61c gal. Crude menhaden oil is unchanged at 40c gal. with shading of this figure reported. Neatsfoot oil is unchanged with 20 deg. quoted 19½c/lb. and pure, 15c/lb. Castor Oil is in light demand at 16c/lb. Red oil maintains a steady tone at 9c/lb. for distilled.

Paper Chemicals

	Trend of the Market					Pre-War
	Today	Last Week	Last Month	Last Year	War Peak	
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Casein	10½	10½	10½	10½	25	20
China Clay, Dom.	10.00	10.00	10.00	15.00	28.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05½	.30	.08
Salt Cake	20.00	20.00	20.00	25.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00
Soda Ash	1.38	1.38	1.38	1.43	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	5.80	5.80	5.90	5.95	4.50	20.25
Average	6.005	6.005	6.015	7.215	13.30	5.50

A little increased activity is reported from some sections but on the whole conditions remain practically unchanged. Prices are holding steady at recent levels.

Trade



Mark

"Picking up" dyestuffs here and there may pay an apparent profit, but in the long run the buyer who has established close relations gets the plums. Many of the friends we have attracted throughout a service of 54 years adhere closely to this policy.

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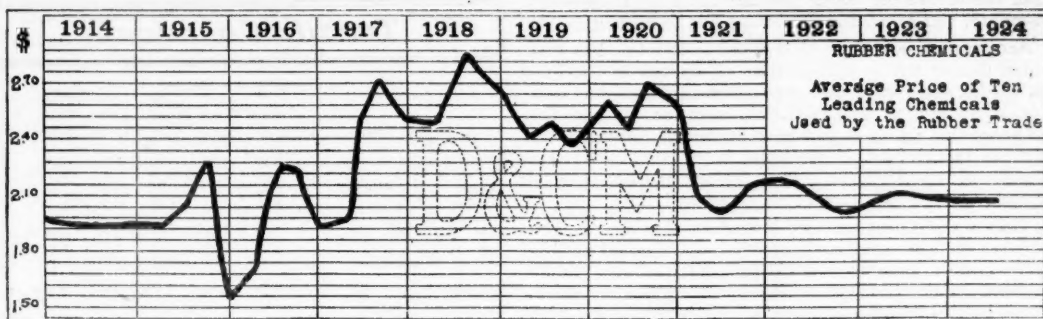
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Cleveland
Davenport and
E. 14th St.



Alkalis—Caustic soda has been holding up fairly well in volume consumed during the past month. A slight weakness, due to low quotations for export, has apparently passed over. Makers hold contract prices steady at \$3.10 for solid in carlots of drums at works; ground and flake at \$3.50 on contract. Spot prices for less than carlots, solid, \$3.76@\$3.91, delivered; ground and flake, \$4.16@\$4.31. Soda ash has been quiet and slow. Contract at \$1.38 in carlots of bags and \$1.63 in barrels; spot prices for bags, \$2.04@\$2.29 and \$2.29@\$2.44 in barrels.

Bleaches—Bleaching powder has been maintaining a firm front with makers holding to their prices. Surplus stocks are not as troublesome as a year ago. Makers quote large drums in carlots at \$1.90 at works and small drums, \$2.15. Less than carlot quantities, 15c higher. Spot prices for less than carlots, \$2.35@\$2.60. Liquid chlorine is moving regularly at steady prices. Tank cars on contract at 4½c/b.; carlots of cylinders, 5½c/b.; less than carlots, 6½c/b. less than ton lots, 7½c/b.

Rubber Chemicals

	Trend of the Market					War Peak	Pre. War
	Today	Last Week	Last Month	Last Year			
Antimony Sulfide Crim....	\$39	\$39	\$39	\$35		\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06		.50	.10
Carbon Black .....	.12	.12	.12	.15		.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00		20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97		1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04		.04½	.05
Lithopone .....	.06½	.06½	.06½	.06		.08	.04
Sulfur	3.05	3.05	3.05	2.50		6.30	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00		30.00	11.00
Zinc Oxide, Amer. ....	.09	.08	.08½	.07		.09½	.09
Average	3.462	3.462	3.464	3.820		5.931	..

Contemplated advance in imported barytes has been the feature in rubber chemicals this week. No confirmation has been received on spot, but is expected by mail from abroad most any day now. The amount of business transacted during June has been reported less

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LYKOPON—A concentrated SODIUM HYDROSULPHITE, for indigo and vat dyeing.

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ALUMINUM CHLORIDE—Crystals and liquid, for carbonizing woolen stock.

than the month previous. Buying has been from hand-to-mouth, and present indications point to a quiet month.

Accelerators—A slight slow-down in this line has been noted during last week. Aniline oil quoted at 16c@17c lb. works, and 17c@18c lb. spot. Diphenylguanidine market is steady at \$1.05@\$1.15 lb. spot as to quantity. Litharge has declined and now quoted at \$10.25@\$11.00 cwt. as to quantity. Quinoidine is in small demand at the moment at 55c@60c lb. spot. Thiocarbamide is in fair demand at 27c@29c lb. spot as to quantity.

Colors and Compounding Materials—Activity in whitening has upheld the interest in this line. Quoted at \$18@ \$20 ton for imported, and \$13@\$15 ton works for domestic. Aluminum flake is quiet at \$23@\$27 ton works. Antimony sulfurette is dull with holders naming 19c@ 24c lb. spot for golden, and 39c@50c lb. for crimson material. Asbestine is quiet at \$18@\$20 ton. Little interest is being shown in blanc fixe at 4c@4½c lb. f.o.b. New York. Carbon black, white, is unchanged at 12c@9½c lb. spot for 1c/l in cases; 14c@16c lb. for air floated; and 12c@14c lb. for compressed. Works named at 9c@9½c lb.

Mineral Rubber—In steady demand at \$35@\$75 ton for 300/315 quantity.

Solvents—C.P. acetone is steady at 15c@16c lb. works as to quantity, and methyl acetone 75c@80c gal. Benzene is quiet and easy at 23c@25c gal. works in tanks, and 28c@30c gal. in drums for 90 per cent material. Pure quoted at 24c@26c gal. works in tanks, and 29c@ 33c gal. in drums. Carbon bisulfide in small demand at 6c@6½c lb. spot. Sulfur chloride is steady at 5c@6c lb. spot for yellow, and 6c@7c lb. for red material.

Sulfur—Little interest being shown at the moment at \$3.05@\$3.30 cwt.; superfine, \$2.50@\$2.90.

Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.17½	\$17.00	\$1.50
Acid Oxalic .....	.10½	.10½	.10½	.13	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	5.60	20.00	4.50
Epsom Salt, U.S.P.	2.16	2.10	2.10	2.25	4.25	1.50
Glauber's Salt	1.20	1.20	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.06¼	.06¼	.06¼	.07¼	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04¼
Average	1.783	1.783	1.788	1.815	4.800	1.42

Textile chemicals remained practically stationary during the week. Prices have been steady in spite of the slowness of demand. Reports from New England indicate slight gains in operations in some centers but the industry as a whole is still operating far below normal. Tin crystals are higher for July.

Acids—Acetic acid has been holding steady on fair demand at \$3.12@\$3.37 for 28% as to quantity in barrels; 56%, \$5.85@\$6.10; 70%, \$7.20@\$7.45; glacial, \$11.01@\$11.76; formic continues in steady demand at 12½c lb. for 85% and 13c lb. for 90%.

Bleaches—Bleaching powder has been maintaining a firm front with makers holding to their prices. Surplus stocks are not as troublesome as a year ago. Makers quote large drums in carlots at \$1.90 at works and small drums, \$2.15. Less than carlot quantities, 15c higher. Spot prices for less than carlots, \$2.35@\$2.60. Liquid chlorine is moving regularly at steady prices. Tank cars on contract at 4½c lb.; carlots of cylinders, 5½c lb.; less than carlots, 6½c lb. less than ton lots, 7½c lb.

Contrary to general belief—

small crystals of Yellow Prussiate of Soda and Potash can be produced of equal quality with the large crystals now standard with the trade.

Using the old processes of prussiate manufacture, larger crystals indicated purer quality. But the American Cyanamid Company, by a new process, can supply

YELLOW PRUSSATE OF SODA

Yellow Prussiate of Potash

in the form of both large and small crystals of the highest purity, equal to any grade ever produced.

THE SAVING IN COST, AND THE CONVENIENCE OF HANDLING AND USING SMALL CRYSTALS OF PRUSSATES, WILL BE EVIDENT TO ALL CONSUMERS.

AMERICAN CYANAMID COMPANY

511 Fifth Avenue

New York

Largest Manufacturers of Prussiates in the World



For consumption in United States.
Victor Blagden & Co. Ltd.,
London
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Exclusive
Sales
Agents:

For shipment to Other Countries.
Victor Blagden & Co. Ltd.,
Coronation House,
4 Lloyd's Ave., London, E.C.3
Cable Address:
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Chemicals—The general situation is unchanged with demand quiet and prices steady at recent levels. Ammonia alum named at $3\frac{1}{2}c@3\frac{3}{4}c$ lb. for lump; imported sal ammoniac at $6\frac{1}{4}c@6\frac{1}{2}c$ lb. is quiet and domestic at $7c@7\frac{1}{2}c$ lb.; Glauber's salt is moving in a routine way at \$1.20@1.70 according to seller and quantity; imported named at $90c@95c$; imported Epsom salt is firm at \$1.40 for technical and domestic at \$1.75@2.00; U.S.P. material holding at \$2.10@2.50 for domestic material and \$2.00@2.25 for imported; copper sulfate is steady but quiet at $\$4.65@\4.75 for domestic; caustic potash appears firm at $6\frac{1}{4}c@7c$ lb.; yellow potassium prussiate is quiet and firm at $18\frac{1}{2}c@19c$ lb.; potassium permanganate moving slowly at $14c@14\frac{1}{2}c$ lb.; sodium nitrite has firmed up at $8\frac{3}{4}c$ lb.; sodium prussiate is dull at $9\frac{1}{2}c@10c$ lb. for imported yellow and $10\frac{1}{2}c$ lb. for domestic, delivered; sodium sulfide crystals are holding at $2\frac{1}{4}c@2\frac{1}{2}c$ lb. on slow demand; tin crystals are quoted higher at $33c@33\frac{1}{2}c$ lb.

Starches and Dextrines—Advances noted last week in prices of starches and dextrines are maintaining a steady tone due to the strength in the corn situation. Demand continues light from the textile industry. British gum is quoted $\$4.19@\4.34 in bags; corn dextrine, $\$4.84@\4.94 for white and $\$3.89$ for yellow. Powdered corn starch is quoted $\$3.37@\3.47 , with pearl, $\$3.27@\3.47 . Potato is quoted $5\frac{1}{2}c@6c$ lb.; tapioca flour, $6c@6\frac{1}{2}c$ lb. and $3\frac{1}{2}c@4c$ lb. for low grade.

Roessler & Hasslacher Chemical Co., New York, were awarded a decision in the Boston Municipal Court against Irving M. Sobin Co., for \$521.16. The complaint alleged delivery of a wrong product to a New England mill by the Sobin Co. for the account of Roessler & Hasslacher whose goods were delayed in transit. The Sobin Co. has appealed the decision.

Financial Notes

Corn Products Refining Co. has declared an initial quarterly dividend of 50c a share on the new common stock, payable July 19 to stock of record July 3. The \$2 annual basis for the new shares, of \$25 par value, is equal to \$10 annually on the old \$100 par shares, the new shares having been exchanged for the old on the basis of five for one. The last quarterly payment on the common was \$2.50 a share on the \$100 par shares, and previous to that the stock had been paying \$9 annually, including extras. The regular quarterly dividend of \$1.75 a share was declared on the preferred stock, payable July 15 to stock of record July 3.

The financial statement by F. E. Atteaux & Co., Boston, for the year ended Dec. 31, 1923 shows accounts receivable of \$168,959 and notes receivable of \$90,446. Accounts payable are shown as \$38,163 and notes payable \$60,971. Merchandise at the close of the year was valued at \$273,957 and there was invested in securities \$331,151. Real estate is carried at \$148,400 and patent rights at \$11,000. Profit and loss account is set forth under assets at \$52,347.

Active buying of U. S. Industrial Alcohol stock by a prominent interest identified with the oil industry is again rumored, according to "Daily Financial America," which says: "After holding around its low point the stock recently developed pronounced activity and strength and rose nearly two points, following this by another sharp upturn. The present plans of the management are said to call for a resumption of payments in September."

DIRECT IMPORTERS OF:

Barium
Carbonate
Chloride
Nitrate

Potash
Chlorate
Permanganate

Soda
Phosphate T. B.
Prussiate

Strontium
Nitrate

Casein

Blanc Fixe

Infusorial Earth

Lithopone

Blue Vitriol

SPANISH RED OXIDES of Superior Coloring Strength:

Ochers, Umbers, Siennas and Blacks

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18 N. FRONT STREET

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29 Broadway
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QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending June 28

Bid	Asked	Bid	Asked
*Air Reduction ... 79 3/4	79 3/4	Hercules Powder ... 90	95
*Allied Chem. & D. 72 3/4	72 3/4	Hercules Powd., pf. 102	103 3/4
*Allied Ch. & D., pf. 115 3/4	116	Heyden Chem. 1	1 3/4
*Am. Ag. Ch. 73 3/4	8 3/4	Hooker Electro 6	12
*Am. Ag. Ch., pf. 23 1/2	25	Hooker Electro, pf. 35	42
*Am. Chicle 19 3/4	20	*Household Products 32 3/4	33
*Am. Chicle, pf. 65	70	*Int. Agricult. 3 1/2	4
*Am. Cyan. 99	101	*Int. Agricult. New. 3 3/4	4
*Am. Cyan., pf. 72	74	*Int. Agricult., pf. 4 1/2	5 1/2
*Am. Druggist S. 34	42	*Int. Nickel 15	15 3/4
*Am. Glue 35	42	*Int. Nickel, pf. 8 1/2	8 3/4
*Am. Glue, pf. 106	112	*Int. Salt 7 1/2	7 3/4
*Am. Linseed 16	17	*Mathieson Alk. 44	44 3/4
*Am. Linseed, pf. 34	35	*Mathieson Alk., pf. 88	90
*Am. Metal 40 3/4	41	*MacAnd. & Forbes. 145	148
*Am. Zinc 7 3/4	8	MacAndrews &	
*Am. Zinc, pf. 26	27	Forbes, pf. 90	101
Archer-Dan-Mid 16	21	Merck & Co., pf. 61	64
Archer-Dan-Mid, pf. 84	86	Merrimac 81	85
*Atlas Powder 48	50	Mulford Co. 82	86
*Atlas Powd., pf. 83 3/4	85	Mutual Chem. 95	110
By-Prod. Co. 33	38	*National Lead 144	145
By-Prod. Co., pf. 100	103	*National Lead, pf. 113	114
Canad. Ind. Al. 25	30	N. J. Zinc 140	142
Canad. Salt 110	115	Niag. A., pf. 80	85
Cascan Co. 60	70	Parke, Davis & Co. 77	80
Celluloid Co. 46	52	Penn Salt 82	83
Celluloid Co., pf. 100	105	*People's Gas, Chi. 97 3/4	98
Charcoal Iron 14	34	Procter & Gamble. 119	121
Ches. Mfg. 40 3/4	50	Procter & Gam., pf. 105	107
Ches. Mfg., pf. 112	115	Royal Bak. Co. 123	124
Clark Co., Fred 3	6	Royal Bak. Co., pf. 99	100
Cleve. Cliffs Iron. 66	66	Shawinigan 130	132
*Com'l. Solv. A. 54 3/4	54 3/4	Sherwin-Williams 28	31
*Do B. 47	47	*Sterling Prod. 57 3/4	58
*Corn Products 35	35 3/4	Swan & Finch. 40	42
*Corn Products, pf. 120	121	*Tenn. C. & Chem. 67 1/4	69
*Davison Chem. 47 3/4	47 3/4	*Tex. Gulf, Sul. 65 3/4	67
Dow Chem. non par. 50	60	Union Carbide 57 3/4	58
Dow Ch., pf. 94	99	*Un. Drug 78	80 3/4
Dow Drug Co. 135	145	*Un. Drug, 1st pf. 48 3/4	49
Dow Drug Co., pf. 108	106	*Un. Dyewood 38	44
*Du Pont de Nem. 119 3/4	120	*Un. Dyewood, pf. 88	88
*Du P't de Nem. Db. 88 3/4	89 3/4	Un. Gas Imp. 75 3/4	77
*Eastman Kodak 107	107 3/4	Un. Gas Imp., pf. 57	58
*Eastman Kodak, pf. 111	111	U. S. Gypsum 83 3/4	84
*Freeport Tex. 8 3/4	9	*U. S. Indus. Al. 69 3/4	70 3/4
*Gen'l Asphalt 40 3/4	41	*U. S. Indus. Al., pf. 101	103
*Gold Dust 35 3/4	36	*Va.-Car. Ch. 1 1/4	1 3/4
Grasselli 123	125	*Va.-Car. Ch., pf. 3 1/2	4
Grasselli, pf. 103	105	*V. Vivandou 5 3/4	6
		Will & Baumer 13	15

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pyncheon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.82
France (franc)	193	.853
Italy (lira)	193	.043
Germany (mark) per hundred	23.80	2.95
Czechoslovakia (crown) per hundred	20.30	2.95
Poland (mark) per hundred	23.80	.00001
Japan (yen)	499	.418
Holland (florin)	402	.376
Spain (peseta)	193	.194
Belgium (franc)	193	.046
Switzerland (franc)	193	.177
Norway (krone)	268	.135
Sweden (krone)	268	.266
Denmark (krone)	268	.166
Argentina (peso)	424	.326
Brazil (milreis)	324	.110
India (rupee)	486	.307
China (Silver dollar—Hongkong)	789	.522
(Tael—Shanghai, silver)	1.086	.715
(Tael—Peking, silver)	1.156	.740

SULFUR COMPANY'S EARNINGS INCREASE

Business of Texas Gulf Sulphur Co. in April increased greatly owing to large foreign orders. Earnings so far this year indicate that the company may show profits of slightly over \$4,800,000 in 1924, against \$4,737,029, or \$7.45 on 635,000 shares of \$10 par capital stock earned in 1923. Earnings in the first quarter of 1924 were \$1,155,868, equal to \$1.82 a share on the common, against \$1,102,065, or \$1.73, earned in 1922. Earnings in second quarter are expected to be a little over \$1,200,000. So far this year the sulfur business as a whole has been good; and the fertilizer companies, which are the most important consumers of sulfur, used in making acid phosphate, have bought more than in 1923. Demand from paper companies also has been good.

New Incorporations

Preptan Co., organized in Delaware, \$300,000. Manufacture tanning extracts. James McKeros, Wm. B. Scott, New York, and Maxwell E. McDowell, Brooklyn. Attorney, Thos. F. Bayard, Wilmington.

American Barium and Strontium Corp., Wilmington, Del. \$150,000. Manufacture. John P. Cann, M. N. Tyson, O. E. Ballantine.

Mutual Drug Sundry Co., New York, \$10,000. Drug supplies. G. G. Schroeder, J. S. Zietlow, G. R. Gibb. Attorney, F. J. Knorr, Albany.

Stott & Holtz, New York, \$30,000. Manufacture waterproofing material's. S. E. Stott, R. B. Holtz, W. M. Duncan. Attorney, M. B. Rich, 66 Broadway.

Red River Sugar Co., Wilmington, Delaware, \$4,000,000. Sugar products. Corporation Trust Co. of America.

Mid-West Grain Products Co., Wilmington, Del., \$2,200,000. Manufacture. Corporation Trust Co. of America.

Boston Putty Works, Inc., Boston, Mass., \$50,000. Manufacture putty products. Paul Shurdut, Philip Shurdut, 96 Lawrence ave., Roxbury, Mass.

Hungerford Brass Corp., New York, \$2,000,000. Manufacture. E. L. Bennett, C. W. Kosar, C. G. Brooks. Attorneys, Davis, Wagner, Heater and Horton, 120 Broadway.

Davies Nitrate Co., New York, \$50,000. F. A. Davies, T. R. Davies, H. P. Read. Attorneys, Olney & Comstock, 68 William st.

International Health Food Co., 2558 Lincoln ave., Chicago, Ill., \$10,000. Manufacture health foods, herb remedies, toilet articles and specialties. Justine Mueller, Dr. O. P. Kube, Fred. Dohler.

Ketoid Co., Wilmington, Del., \$100,000. Manufacture chemical compounds. Corporation Trust Co. of America.

Superoil Co., Wilmington, Del., \$100,000. Rectify waste oil and oil products. Corporation Trust Co. of America.

Scott & Bowne of Argentina, Philadelphia, Pa., organized in Delaware, \$30,000. Manufacture drugs and medicines. United States Corporation Co.

Karboid Sales and Service Corp., Wilmington, Del., \$25,000. Manufacture paper carbon. American Guaranty and Trust Co.

Courtaulds, Ltd., of London, England, manufacturer of artificial silk, has declared an interim dividend of 1s and a bonus of 3d. The directors recommended that the capital be increased to 20,000,000 pounds sterling by issuing 8,000,000 pound sterling 5 per cent cumulative preference shares of 1 pound sterling par. The valuation of the holdings in American Viscose was increased to 16,013,628 pounds sterling.

Etablissement Kuhlmann, French Dyestuff company, has issued a balance sheet showing a net profit of 20 million francs, as against 7 million francs for the previous year. The company is capitalized at 150 million francs and paid a dividend of 30 francs a share as against 20 francs.

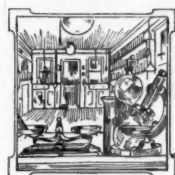
A sharp upward movement in Mathieson Alkali shares on the New York Stock Exchange, followed active buying last week on reports that the earning power of the company has become materially stronger since the beginning of 1924. The stock touched 41 3/4, following a five point rise in one day.

American Syrup Co., Somerville, Mass., reports a deficit on Dec. 31, of \$2,881. Accounts and notes receivable on that date amounted to \$15,700 and accounts and notes payable \$33,800. Real estate, machinery and merchandise are \$95,800, and good will and trade marks are valued at \$74,000.

American Linseed Co. reports at the close of 1923 accounts receivable of \$33,669 and notes receivable \$1,183 against accounts payable \$121,202. Real estate, machinery, merchandise and cash total \$93,800. Surplus and undivided profits are \$3,265.

Canadian Industrial Alcohol Co. has declared a quarterly dividend of 2 1/2%, payable July 7 to holders of record June 30. In previous quarters 1 1/2% was made.

Atlas Powder Co. has declared a quarterly dividend of 1 1/2% on the preferred stock, payable Aug. 1 to holders of record July 19.



Drug & Fine Chemical SECTION



The Status of Bromide Prices

Why the Statistical Position Alone Failed to Bring an Advance Six Months Ago

THE recent sharp upward movement of bromides, when spot prices for soda and potash moved up rapidly from seventeen or eighteen cents to about thirty cents, was surprising only in that it did not occur six months ago. Excess stocks in the American market had dwindled sufficiently last January first to warrant an upward movement in the price, but demand at that time was extremely dull, and not positive enough to start the move. The market was so constituted statistically at that time that it needed a wave of active buying to get things under way, and this did not occur until May when cables from Europe began to quote steadily increasing prices for shipment.

Early this year, quotations for shipment from Germany were named equal to seven or eight cents c.i.f. New York, which on the face is a ridiculously low figure for either potash or soda bromide. This is unquestionably one of the lowest prices, if not actually the lowest, at which bromides ever sold. Naturally, the low figure was made possible by Germany's inflated currency and by an accumulation of stocks there. Even Germany could not produce at a cost as low as this. Although consumers in the United States knew this, and also knew that a rise in imported goods would cause a corresponding move in domestic material, few heavy purchases for consumer account were made prior to May. The chief early buying was supposed to be primarily for speculative accounts.

Prices Too Low For Germany

The primary cause of the higher prices was, as in the case of any economic cycle, the low prices which ruled six months to a year ago. Prices dropped so low, not only for bromides, but for other potash salts as well, that it became unprofitable to produce them in Germany. Working of the brines was reduced to a minimum. With heavy stocks on hand and demand small, the cessation of production was not felt in the market for some months. The reduced output was bound eventually to force the price up, and the first intimation of

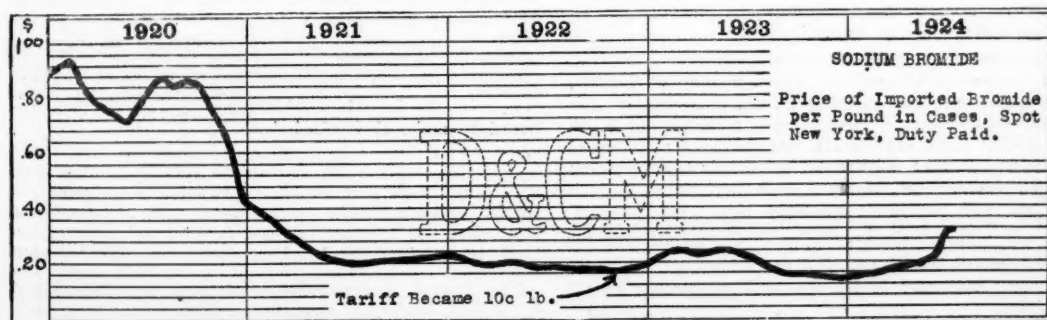
this came when distressed offers by cable became fewer and fewer. Shipment prices gradually crept up. Speculative buying in Germany for the rise speeded the upward movement, while the beginning of buying in the United States added further strength to prices.

Today, potash bromide appears somewhat more free for shipment with prices at 13½c to 14c c.i.f. Soda bromide, however, is apparently not so plentiful and 17c c.i.f. is inside with 18c heard in some quarters of Hamburg. On spot, soda is commanding 32c, while potash has slid back slightly and is held at 24c to 25c as to seller. At these prices, consumer interest is still reported active, but perhaps not quite as active as during the recent rise. At that time, consumers who were short of stocks evidently had a scare thrown into them by the quick upward move of prices and had visions of paying fancy prices unless they covered quickly. The higher prices naturally brought out stocks in the American market from holders who had refused to let-go at the low prices.

Domestic Makers Sold at Premium

Through the period of very low prices, American producers held at 25c up to 28c for both potash and soda bromides. They made no attempt to meet the figures for imported goods, and sold at a premium of eight to ten cents per pound right along. The quality of much of the imported material was such that domestic makers were able to secure considerable consumer business at the higher figures. Among many American consumers, particularly those who desired bromides for jobbing and certain manufacturing operations, reports indicated that only one German brand was ordinarily acceptable. Like the case of other chemicals, a great deal of mongrel bromide came out of Germany as a result of disorganized conditions, manufacturing difficulties, and low prices. The wide range of quality in the imported material explains chiefly why the domestic products could command the prices which they did.

Even at 25c for American goods, while the German



was selling at 16c to 18c spot, with a duty of ten cents per pound, there was little profit in the bromide business for American makers. The German goods, even the poorer qualities, could not have been laid down c.i.f. New York under ten cents were it not for the disorganized conditions abroad. Judging domestic costs on figures quoted for shipment from Germany was for this reason erroneous. This becomes more evident when it is realized that the average pre-war figures for all spot bromides in American markets was over forty cents per pound.

Current Rise Has Halted

A continuation of the rise in bromides much further up the price scale does not appear likely just at this time. The higher prices are apparently doing a great deal to bring out heavier offers from abroad for shipment, in unearthing spot holdings, in profit-taking by speculators, and in tending to reduce buying ahead by consumers. Prices are still under pre-war, but at the same time, are so much higher than they have been for many months, that they do not look particularly cheap to buyers who have been educated to bargain counter figures for some time past. At the same time, the extreme low levels of six months ago, chiefly the result of a badly disorganized market in Germany, are very probably a thing of the past for some years to come.

LIQUOR PERMITS MUST BE RENEWED

Only "H" Permits Are Continuous—Others Must Be Applied For In July

The National Wholesale Druggists' Association has notified its members that all except "H" permits for the withdrawal of alcohol must be applied for between July 1 and Aug. 31. The notice reads:

"Attention of all members is directed to Sections 260 and 261 of Regulations 60 regarding the renewal of basic permits other than those bearing the prefix 'H', which are permits to use alcohol or intoxicating liquor.

"All permits to sell or to dispense alcohol or liquors must be renewed by formal application on Form 1404 on or after July 1 and not later than Aug. 31. 'H' permits are automatically continued in force during the term of the bond supporting them or until cancelled, suspended or revoked for cause, or voluntarily surrendered by the permittee. Therefore 'H' permits need not be renewed. Wholesale druggists selling intoxicating liquor, however, under the provisions and within the limitations of 'B' permits must apply for the renewal of their 'B' permits regardless of the fact that they may also be the holders of 'H' permits for use in the conduct of their laboratories. Retail druggists holding 'I' permits, which permit the retailer to dispense intoxicating liquor and use alcohol in compounding prescriptions, and physicians holding 'J' permits, allowing them to prescribe intoxicating liquor, and also all 'Q' permits for hospitals, sanatoriums, etc., must be renewed annually and application for renewal must be made on or after July 1 and before Aug. 31 in the case of the renewal of all permits now in effect or issued prior to Aug. 31, 1924."

The steamship *Protesilaus*, which arrived at Seattle, recently, carried the following goods, according to the "Journal of Commerce": Fifty cases camphor for F. P. Dow & Co.; 100 cases for Hetherman & Co.; 300 cases wax for Strohmeier & Arpe; 10 bales agar agar to order; and 30 bales for Lee, Higginson & Co.

Acetol, imported by the Rhodia Chemical Co., New York, was held dutiable at 25 per cent under Par. 23 of the Fordney Tariff Act, and the protest of the company overruled recently by the United States General Appraisers.

OPPOSE NEW ALCOHOL RULING

Wholesalers and Jobbers Unwilling to Do Police Work for the Prohibition Unit

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 2.—A communication was sent to collectors of internal revenue, recently, relative to a stipulation to be used in the future issuance of basic permits authorizing the use of specially denatured alcohol, providing among other things that when preparations containing alcohol are sold to a wholesaler or jobber the wholesaler or jobber shall make reports to the Commissioner and that the alcohol shall be subject to inspection. The suggestion has also been made that not only shall this new stipulation be included in new permits but present permittees shall agree to the stipulation.

When Washington representatives of industrial alcohol interests learned of the new ruling a conference was held with officials of the Prohibition Unit. It is not believed that existing permits will be affected by the new stipulation unless the permittee in answering the collector of customs voluntarily consents to the new arrangement, and the representatives of industrial alcohol interests are opposed to the plan.

Government officials say that the new stipulation is necessary to check "under cover operations" and they believe that the stipulation would be a real aid to legitimate industry. Internal revenue officials have assured representatives of the alcohol using industries that no action will be taken to enforce the stipulation for 30 days or longer.

Among those present at the conference were: Assistant Prohibition Commissioner Jones, Judge Britt, counsel to the Prohibition Commissioner; Dr. Doran, chief of the Industrial Alcohol and Chemical Division; Judge Loveland, associate chief of the Permit Division, and several officers of the Law Division. In addition to the Washington representative of National Wholesale Druggists' Association, W. L. Crounse, there were present H. B. Thompson and E. F. Kemp, of Proprietary Association; E. C. Brokmeyer, of National Association of Retail Druggists; Mr. Tierney, of the Manufacturing Chemists' Association; C. P. Frailey, of American Drug Manufacturers' Association, and Mr. Brooke, of U. S. Industrial Alcohol Co.

NOT TO CHANGE ALCOHOL FREIGHT RATES

Proposed revision on rates on alcohol from New Orleans to Ohio River crossings, St. Louis, Chicago, and points beyond, was considered at the public hearing in Atlanta, Ga., Dec. 18, 1923, and at Chicago, April 22, 1924, was fully discussed at a recent meeting of the general committee of the Southern Freight Association, and it was decided that it is inadvisable at the present time to make any change in the existing rates from New Orleans. Inland producers petitioned the railway companies about a year ago for a readjustment of alcohol rates out of New Orleans in order to lessen the competition in the Eastern markets, since they had to pay freight on 380 pounds of molasses to obtain 100 pounds of alcohol. The present decision will probably result in the inland manufacturers going to the seaboard to make their alcohol.

A contract for the supply of quinine bihydrochloride to the account of Crown Agents in Sierra Leone has been given to Arthur H. Cox & Co., Brighton, England, manufacturing chemists.

The French National Office of Medicinal Plants held its fourth congress, recently, at Lyons.

HEYDEN CHEMICAL CO. REPORTS LOSS

Heyden Chemical Co. of America, reports for year ended Dec. 31, net loss of \$3,165 after charges, comparing with net profit of \$30,500 in 1922. The income account for 1923 compares as follows:

	1923	1922	1921
Net sales.....	\$808,336	\$899,931	\$1,311,922
Costs and expenses..	837,009	869,431	1,437,266
Loss.....	\$28,673	†\$30,500	\$125,344
Other income.....	28,845		2,031
Total income.....	\$172	\$30,500	\$123,313
Interest, etc.....	3,337		115,482
Net loss.....	\$3,165	†\$30,500	\$238,795
†Profit.			

Condensed balance sheet of Heyden Chemical Co. of America, Inc., as of Dec. 31, follows: Assets: Cash \$42,481; notes and accounts receivable \$152,356; inventories \$304,054; claim for refund of federal taxes \$180,752; investment \$1,030; property and plant, less depreciation \$1,314,328; good will \$1,000,000; deferred charges \$7,989; total \$3,002,990. Liabilities: Notes payable \$25,000; accounts payable and accrued payroll \$129,637; real estate taxes and assessments \$37,511; reserve for local tax contingencies \$20,000; capital stock (represented by 500,000 no par shares) \$2,500,000; surplus \$290,841; total \$3,002,990.

Boots Pure Drug Co., Ltd., London, England, has declared a dividend of 9 per cent on the ordinary shares, less tax, payable July 1. The dividend paid at the end of March is now declared final, making 36 per cent for the year, less tax. The company for the year ended March 31, 1924, reports net profit of 628,620 pounds sterling and surplus after dividends of 171,869 pounds sterling.

Karl Fritzsche, of Schimmel & Co., Miltitz, Germany, will return the first of this month, after a short visit to this country. Mr. Fritzsche spent part of his time at F. E. Watermeyer's farm, located at Becket, Mass. Fritzsche Brothers, New York, essential oils, are the sole American agents for the German company.

Loadings of revenue freight for the week ended June 14 totaled 902,710 cars, a decrease of 7,997 from the previous week and of 106,128 cars in comparison with the same week of last year. Compared with a year ago there was a decrease in the loadings of all commodities with the exception of grain and live stock.

The second printing of "Eminent American Chemists" is now offered by D. H. Killeffer, New York. The first printing was exhausted within two months after publication. The book contains photographs and sketches of the lives of thirty-three prominent American chemists.

Directors of I. L. Lyons & Co., New Orleans, were recently elected as follows: John W. Phillips, president; L. E. Lyons, vice-president; T. H. Lyons, treasurer; B. R. Holmes, secretary.

A judgment awarded National Lead Co. on Dec. 15, 1914, against Jacob Sternschuss et al, for \$238.71, has been satisfied in New York County through cancellation.

The Tariff Commissioners are spending most of their time on the sugar investigation. When this is completed they will take up a number of chemical cases.

Marx & Rawolle, have filed judgment in New York County against Walsh Duplicator Corp. for \$525.75.

TO CHOOSE CITY FOR PHARMACY BUILDING

A leading question to come before the meeting of the American Pharmaceutical Association at the annual meeting in Buffalo, Aug. 25, is where to locate the proposed headquarters building. New York, Chicago, Washington and Des Moines have been suggested.

A report by H. A. B. Dunning of Baltimore, chairman of the Building Campaign Committee, says that \$300,000 has already been subscribed. Details of the Buffalo meeting are in charge of the secretary of the Association, W. B. Day of Chicago, and Dr. Willis G. Gregory, dean of the School of Pharmacy of the University of Buffalo.

Thirty-six sessions, lasting six days, have been arranged, according to an announcement made by the president of the Association, Prof. H. V. Arny of the College of Pharmacy of Columbia University. The opening event, following a meeting of the Board of Directors, will be morning, afternoon and evening meetings of the National Association of Boards of Pharmacy. The American Conference of Pharmaceutical Faculties, will meet daily. On Aug. 26, will occur the first general session of the American Pharmaceutical Association, preceded by a meeting of the House of Delegates.

FINMARKEN COD CATCH IS HEAVY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Bergen, Norway, June 14.—The catch of cod in the Finmarken fisheries up to June 7, 1924, compared with the catch to the same date in 1923 and 1922 is officially reported as follows:

	1924 Hecto- liters	1923 Hecto- liters	1922 Hecto- liters
Medicinal, steam-refined	108,277	81,013	78,269
Liver for industrial oil.....	16,144	16,947	14,827
Exported up to May 31			
Steam-refined medicinal, best non-freezing			31,892 bbls.
Steam-refined medicinal, yellow			788 bbls.
Medicinal bright			1,686 bbls.
Industrial, tanners' bright brown boiled.....			4,882 casks
Industrial, tanners' brown boiled			3,655 casks

Firms closing on Saturday, July 5, include: Ungerer & Co., Magnus, Mabee & Reynard, P. R. Dreyer, Fritzsche Bros., Dodge & Olcott Co., James B. Horner, Wangler-Budd Co., J. Manheimer, Delphi Products, Heine & Co., Shipkoff & Co., Burton T. Bush, Stanley Jordan & Co., Antoine Chiris Co., R. Hillier's Son Co., George Lueders & Co., Morana, Inc., Lautier Fils, Arthur A. Stilwell & Co., Thurston & Braidich, Peek & Velsor, P. E. Anderson & Co., Van Dyk & Co., Arthur Stallman & Co., H. R. Lathrop & Co., W. J. Bush & Co., Arthur G. Cailier, C. G. Euler, Hymes Bros., and Roure-Bertrand Fils.

Production of basic commodities and factory employment showed unusually large declines in May and were considerably below the level of a year ago, says the Federal Reserve Bulletin. Purchases at wholesale and retail also declined during the month and were somewhat below last year's volume. Commercial loans at member banks decreased and there was a further decline in money rates.

McKesson & Robbins have entered judgment in New York county against Samuel Peny and Annie Stanbul, trading as Peny Drug Co., for \$113.85.

M. Axelrod has been awarded a judgment in New York County against Easter Electric Chemical Co., amounting to \$144.65.

M. O'C. Foley has been awarded a judgment in New York County against Plymouth Pharmacy, Inc., for \$165.14.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 36

CITRIC ACID AGAIN CUT BY MAKERS

**Second Reduction in Four Days—Domestic Lower—
Bromides in Good Supply For Shipment—Imported
Tartaric Acid Quiet—Glycerin Tending Scarce—
Menthol and Mercury Dull—Sodium Benzoate Ac-
tive**

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Acid, Phosphoric, Dom., 1c lb.

Declined
Acid, Citric, Dom., 2c lb.
Menthol, Japanese, 25c lb.
Mercury, \$1.00 flask

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetanilid	\$32	\$32	\$32	\$32	\$2.00	\$20
Acid Citric, Import .....	.47	.47	.47	.52	1.25	.45
Caffeine Alkaloid	3.50	3.50	3.65	3.75	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.45	.90
Camphor, Jap., ref. ....	.72	.72	.73	.88	3.55	.41
Iodine, Resublimed	4.40	4.40	4.40	4.55	6.00	3.75
Menthol	11.25	11.50	12.00	10.00	13.50	3.00
Potassium Bromide, Cryst. ....	.38	.38	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.41½	.41½	.63	.84	2.05	.50
Average	2.16	2.17	2.24	1.99	5.92	1.56

Although business transacted last week shows some improvement over the week previous, sellers report that no general broadening out of demand is expected until early in the Fall. Manufacturers are keeping stocks as low as is consistent with good business, and if any large consuming demand sets in during the next six weeks, higher prices are looked for. The statistical position of many items is still strong, but this factor alone cannot advance prices. Reports are heard that large offerings of bromides are coming from Germany, but importers here are not interested owing to the high prices asked. Some speculative buying has been going on in Germany for the past three weeks, as is shown by the widely different offers. Makers of saccharin state that this item is leading all other fine chemicals in activity. Some of the menthol that was sold to London a few weeks ago, is now returning to this market.

Acetanilid—Little business passing at the moment at 30c@32c lb. spot by makers, and 30c@31c lb. from resale quarters.

Acid, Acetylsalicylic—Makers still naming 75c@85c lb. spot as seller, and resellers 70c@71c lb.

Acid, Citric—Domestic makers twice cut prices and now quote 46c@47c lb. spot as to quantity. Imported named at 47c@48c lb. spot with shipment quoted at 31c lb. c.i.f. New York. At the present moment the domestic makers appear to have the upper hand. Some factors state that owing to easier position of citrate of lime in Italy, the makers here can easily afford to reduce prices. Imports last week at New York were 300 kegs.

Acid, Phosphoric—Domestic makers have advanced prices and now quote 16c@17c lb. spot as to quality.

Acid, Salicylic—Makers name 35c lb. spot and resale quarters quote 33c@34c lb. Some export business is expected from Japan.

Acid, Tartaric—Little business reported at the moment with importers naming 27c@28c lb. spot and domestic 30c lb. Last week saw 500 kegs entered at New York. This consignment is thought to be sold on contract.

Alcohol—Makers report that the new schedule, which gives lower prices in the Summer compared with the Fall, has already worked to better consumption. If these prices are strictly enforced, a more uniform production and distribution ought to be realized. Quoted at 44½c@46½c gal. spot for No. 5 completely denatured in drums, and 45½c@47½c gal. for No. 1 specially denatured in drums.

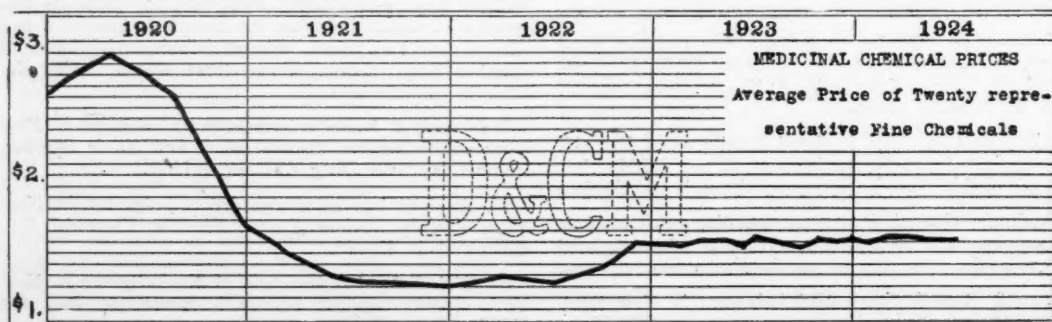
Amidopyrine—Unchanged at \$4.35@\$4.50 lb. spot for imported, and \$4.60 lb. for domestic. Some lots of imported are available at \$4.30 lb.

Antipyrine—Little interest shown at \$2.10@\$2.20 lb. spot.

Bromides—While spot goods of imported material are scarce, some large stocks in Germany are said to be looking for a buyer. The prices, however, are too high to suit importers here, according to the trade. Imported ammonium quoted at 27c@29c lb.; potassium, 24c@26c lb.; and sodium, 32c@34c lb. Domestic unchanged and firm at 44c@45c lb. for ammonium; 38c@39c lb. for potassium; and 38c@39c lb. for sodium.

Camphor—Spot market quiet with holders naming 72c lb. for Japanese slabs, and ounce tablets 92c lb. Prompt shipment unchanged at 62c lb. c.i.f. New York. Domestic, 88c lb. in barrels.

Cod Liver Oil—Spot market quiet at \$21.00@\$22.00 bbl. with shipment named at \$20.50@\$21.00 bbl. c.i.f. New York. Some active buying has been reported for



late delivery. Total catch in Norway up to June 16 amounts to 67,000,000 cod and 111,748 hl. steam refined oil, compared with 50,100,000 cod and 83,913 hl. steam refined oil for a like period in 1923.

Cream Tartar—Imported in small demand at 20½¢@21¢lb. spot, and domestic at 21¼¢@21½¢lb.

Formaldehyde—Quoted easy at 9¢@9½¢lb. works in c/l as to seller, and carboys 10¢@10½¢lb.

Glycerin—Supplies are none too plentiful, and only reason prices do not advance is the present slow demand. C.P. quoted at 16¢@18½¢lb., spot as to quantity, and dynamite at 16¢@16½¢lb., the latter figure being for goods in the East, while the former is for material in the West.

Menthol—Imported has again declined and now quoted at \$11.25@\$11.75lb. spot as to quantity. Domestic named at \$11.00@\$11.25lb. Last week saw 10 cases entered at New York from Liverpool, and 20 cases from London. Shipments tending easier in spite of the reported small stocks carried in Japan.

Mercury—Has declined and now quoted at \$73@\$74 flask spot in spite of its strong statistical position. Last week saw 50 bottles entered at New York from London. Italy higher at 1,403 lire and London unchanged at £13 per flask.

Saccharin—In active demand at \$1.90@\$2.10lb. from makers, and same figures from resale quarters.

Sodium Benzoate—Some fair sized business has been reported at 65¢@68¢lb. spot as to quantity.

F. N. Pickett, former expert in the chemical division of the British Army, arrived in New York last week with a new poison liquid for the extermination of the cotton boll weevil. Mr. Pickett, who has had success in combating the locust plague in Egypt and Algiers, and since last year has been working on poison solutions, has already been offered a large area of cotton fields in Alabama in which to try out his chemicals. Arsenic, he claims, will eventually lead to serious danger to plant and human life. Bird life in the South, he says, has already been affected. Mr. Pickett will also present to the United States Government means of minimizing the ill effects of poisonous gases.

The condition of the quicksilver mining industry in 1923 was somewhat better than in 1922, according to Clyde P. Ross of the Geological Survey. There was an increase of nearly 14 per cent in the average price at San Francisco and an increase of nearly 25 per cent in production. California produced 69 per cent of the 7,937 flasks of quicksilver credited to the United States in 1923, and most of the remainder was produced in Texas. During 1923 the United States exported 318 flasks of quicksilver and imported 18,073 flasks.

Department of Syphilology and Dermatology of the College of Physicians and Surgeons, Columbia University, was opened for inspection recently. This addition to the practical advance of medicine and chemistry has made possible largely through the gift of Herman A. Metz, of H. A. Metz Laboratories, who has also made contributions for the study of "yaws" in the Philippines.

W. S. Frisbie, chemist in charge of co-operation, of the Bureau of Chemistry, United States Department of Agriculture, is in California in the interest of co-operation between state and local food and drug departments and the Bureau of Chemistry.

Canadian production of chemicals and allied products in 1922 has been compiled in the form of a report by the Dominion Bureau of Statistics. It includes products with productions, plants, capital, cost wages, and other data.

SHORT CROP OF VANILLA PREDICTED

Opium Output Estimated at 4,000 to 5,000 Cases—London Importers Seek to Stabilize Menthol Price—Copaiba Higher—Chamomiles Easier on Larger Crop Reports

(Special Cable to DRUG & CHEMICAL MARKETS)

London, July 2.—Prices are steady and trading is quiet. Copaiba is higher. Quotations are firmer on carboic acid, aspirin, cloves, ginger, senega root and tonka beans.

Reports received in London regarding vanilla beans are to the effect that the crop will be shorter than last year's production and may be delayed owing to unfavorable weather.

The opium crop is estimated at 4,000 to 5,000 cases. In anticipation of a larger crop of chamomile flowers the quotations are easier, at 210 shillings per hundred-weight for forward delivery. Attempts are being made to stabilize the price of menthol.

London, June 21. (By Mail)—English makers of boric acid have reduced their price by £3 per ton; crystals are now quoted at £45 per ton, powder £47 on 5 ton contracts. Borax unchanged. Bromides are quoted today: Ammonium 9½d to 10d per lb.; Potassium Cryst 7d to 7½d per lb.; Sodium 7½d to 8d per lb. Phenacetin is in better demand and 6s6d per lb. is now wanted. Salicylates are easier: Salicylic acid from 1s7d to 1s9d as to quantity; sodium salicylate cryst. 2s7d; powder 2s5d; Aspirin 3s3d per lb.

Cascara sagrada of new crop, forward delivery, is about 93s6d per cwt. c.i.f. while parcels on spot are quoted at 160s to 165s according to quality.

Cod liver oil—A good all around trade is now being done at 90s per barrel c.i.f. London for finest quality.

Belgian Roman chamomiles are being offered for later delivery at 250s at which price spot parcels of last year's growth can be obtained. The cultivation this year is larger than last. The weather conditions so far however have been unsatisfactory and much depends upon the next few weeks.

ABSORBS U. S. FOOD PRODUCTS CORP.

National Distillers Products Corp., a newly formed company, has taken over the assets of U. S. Food Products Corp., which consisted of Kentucky Distilleries and Warehouse Co., New York, and other smaller companies. The activities of Kentucky Distilleries and Warehouse Co. have been divided into the whiskey and alcohol business. The alcohol production will be managed by a new company called Kentucky Alcohol Co., while the whiskey output will be controlled by Distilleries and Warehouse Co. The personnel of the two companies will be identical. The entire sixth floor at 30 Broad St., New York, has been leased for a number of years, effective June 26. The new Telephone number is Broad 2021. Officers are Seton Porter, president; Sid Klein, vice-president in charge of sales; and T. A. Clark, secretary and treasurer. Stock of the new holding company will be listed on the New York Stock Exchange.

Dr. Leo H. Baekeland, New York, president of the American Chemical Society and professor of chemical engineering in Columbia University, has been made a Commander of the Order of Leopold by Albert, King of Belgium. Dr. Baekeland was born in 1863 at the old Flemish city of Ghent.

Powers-Weightman-Rosengarten Co., Philadelphia and New York, announces that its offices and laboratories will be closed on July 5.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 57

CASCARA SAGRADA LOWER AT 12c/lb. COAST

In Car Lots, f.a.s.—Curacao Aloes Easier—Roman Chamomiles Lower—Cohosh Roots Softer—Helonias Root Sharply Lower—Japan Wax Dull—Prickly Ash Bark Available—Senna, Pods, Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Anise Seed, Star, 3/4c lb.	Senna, Pods, 3c lb.
Declined	
Aconite Root, 1c lb.	Chamomile Flowers, Roman, 2c lb.
Aletris Root, 2c lb.	Cotton Root Bark, 3c lb.
Aloes, Curacao, 3/4c lb.	Helonias Root, 10c lb.
Blackhaw Bark, Root, 1c lb.	Japan Wax, 1c lb.
Cascara Sagrada, Old Peel, 1c lb.	Lobelia Herb, 3c lb.
Cohosh Root, Black, 1c lb.	Mandrake Root, 1c lb.
Blue, 1c lb.	Saffron Flowers, Span., \$1.00 lb.
	Spikenard Root, 2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P.	\$39	\$40	\$39	\$38	\$90	\$12
Buchu Leaves, Short	.76	.75	.76	.90	4.00	.85
Cantharides, Russian	.90	.90	.90	1.75	9.00	2.10
Cocculus Indicus	.08	.08	.08	.08 1/2	.85	.03
Ergot, Spanish	.30	.30	.31	.51	4.50	.54
Insect Powder, pure	.63	.63	.63	.60	1.00	.28
Ipecac, Cartagena, powd.	2.10	2.10	2.10	1.90	4.50	1.35
Nux Vomica	.05	.05	.05	.06 1/2	.14 1/2	.07
Opium, gum	9.00	9.00	9.00	8.00	30.00	5.00
Rhubarb Root, H. D.	.30	.30	.30	.43	1.75	.15
Tragacanth, No. 1, ribbon	1.20	1.20	1.20	1.52	6.00	1.50
Wild Cherry Bk., thin nat.	.09 1/2	.09 1/2	.11	.10 1/2	.21	.07
Average	1.32	1.32	1.32	1.36	5.28	1.00

With the tendency for lower prices in primary markets for domestic and foreign botanicals, the trade expects buying to have more volume than last year, when it eventually makes its appearance. Holders of spot stocks are, in a number of instances, getting dollar for dollar, but in a few items they are sacrificing their supplies before new crop material comes on the market. However, some houses will attempt to average their sales on the spot scarcities, which develop about this time of the year. While prices from abroad are generally lower for new crop drugs, holders are not over-anxious to sell. The present time is said to be opportune to make purchases for future delivery, but the actual consumer is of a different opinion, which is shown by the routine absorption of crude drugs for the past few months. Reports are heard that June business was about equal to April, and at the same time considerably above May. While average price of crude drugs now shows an upward movement, this condition is attributed solely to the advance in tolu balsam, the remainder of the list having moved downward in June.

Aconite Root—Lower at 39c@41c/lb. spot as to seller and quantity. Leaves, 10c@12c/lb.

Agar Agar—Market reported easy at \$1.50@\$1.53/lb. spot for No. 1 material, and No. 3 at \$1.25/lb. with prompt shipment at \$1.16/lb. c.i.f. New York for No. 1, and 98 1/2c/lb. for No. 3 goods.

Aletris Root—Has declined and now quoted at 48c@50c/lb. spot as to seller.

Aloes—Market appears to be well supplied. Curacao quoted lower at 7 1/2c@8c/lb. spot. Buyers are willing to take on large supplies at 7c/lb., but at the present figures, little goods are being disposed of. Cape, 7 1/2c@8c/lb.

Anise Seed—Star quoted higher at 11 1/4c@12c/lb. spot as to quantity and seller. Spanish unchanged at 14 1/2c@15c/lb.

Arabic Gum—Amber sorts in small demand at 11 1/2c@12c/lb. spot with shipment fully equal to these figures.

Balm Gilead Buds—Steady at 43c@48c/lb. spot as to seller and quantity.

Balsams—Oregon Fir easy at \$1.20@\$1.30 gal. spot with shipment named as low as 90c gal. as to seller. Canadian Fir, \$12.50 gal.

Belladonna Root—Quiet at 11c@12c/lb. spot, and leaves quoted at 24c@26c/lb. with some houses inside at 25c/lb.

Blackhaw Bark—Root easier at 37c@39c/lb. spot, and tree at 19c@21c/lb. owing to cheaper offerings from the country.

Buchu Leaves—Supplies ample on spot at 76c@85c/lb. in bales as to seller. Less than bales offered at 84c@93c/lb. Present replacement prices do not warrant low levels quoted on spot.

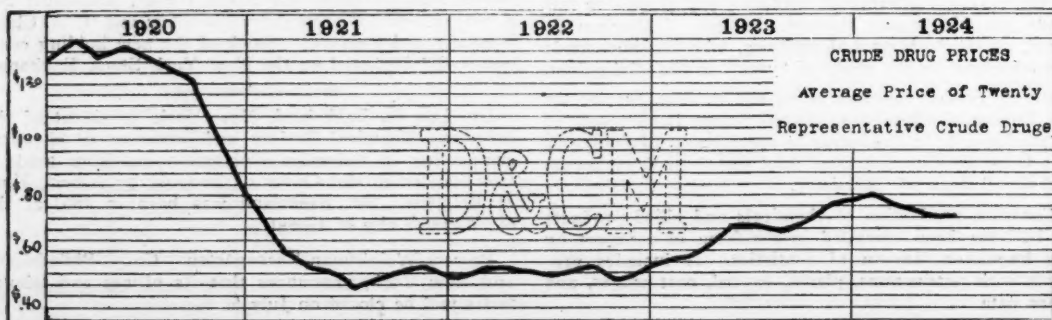
Cannabis—True imported material off the market.

Caraway Seed—Dutch quoted easy on spot at 17c@17 1/2c/lb. with shipment tending to firm up. African, 17c@17 1/2c/lb.

Cardamom Seed—In active demand with decorticated named at \$1.60@\$1.65/lb. spot, and bleached at \$1.65@\$1.80/lb.

Cascara Sagrada—Old peel has declined and now offered at 29c@30c/lb. for 1923 bark, and 30c@32c/lb. for 1920-22 peel. Reports have been confirmed that car lots on the Coast are being offered as low as 12c/lb. f.a.s. Some directions are looking for lower prices.

Chamomile Flowers—Roman lower at 63c@68c/lb. spot owing to cheaper offerings from abroad. London quotes 210s per cwt. or about 40c/lb. at present rate of exchange Hungarian, lower at 7c@7 1/2c/lb.



Cohosh Root—Market easier with blue named at 11½¢ @12¢lb., and black at 9¢@11¢lb.

Cotton Root Bark—Lower at 12¢@14¢lb. spot.

Dandelion Root—In small demand at the moment at 32¢@34¢lb. spot.

Helonias Root—Has declined and now quoted at 72¢ @78¢lb. spot owing to sharp competition for available business as well as cheaper offerings of new crop material.

Insect Powder—Spot quoted steady at 63¢@65¢lb. with July shipment from Japan of new crop material at 35¢lb. c.i.f. New York. Counter-offers have been made at 30¢, 32¢, and 34¢lb., but shippers would not shade 35¢lb.

Japan Wax—Has eased off further and now quoted at 20¢@23¢lb. spot as to seller and quantity with prompt shipment named at 16½¢@17¢lb. for large lots.

Juniper Berries—Active for the past ten days at 3¢@3½¢lb. spot. One seller alone disposed of 250 bags within this period.

Lobelia Herb—Sharply lower at 34¢@38¢lb. as to seller.

Mandrake Root—Lower owing to easier prices in the country. Quoted at 17¢@18¢lb.

Prickly Ash Bark—Southern in small supply at 32¢@34¢lb. spot.

Saffron Flowers—Spanish has declined again and now offered at \$38@\$39lb. spot as to quantity and seller. Demand slow, and holders are desirous of turning goods into cash.

Senna—Pods sharply higher at 22¢@24¢lb. spot owing to scarcity.

Spikenard Root—Lower at 25¢@27¢lb. spot.

Applications for membership in the Chicago Drug and Chemical Association have been received from R. S. Rooney, of W. J. Stange Co.; W. E. Flumerfelt, of Rhodia Chemical Co.; J. Wilhelm; John W. Burns, of Wilson Laboratories, and G. W. Wallerich, of V. Mueller & Co.

The Chicago Drug and Chemical Association was addressed by James R. Glass, U. S. Commissioner at Chicago, at the final meeting of the Association on June 26, before adjournment for the Summer months. Mr. Glass described the duties of a U. S. Commissioner.

Imports at Seattle, recently, were 10 bales agar agar consigned to Lee, Higginson & Co.; 125 cases camphor for Mitsui & Co.; and 200 cases slabs and 50 cases powdered for F. A. Cundill & Co., according to The Journal of Commerce, New York.

Eugene Hodson, of Thomas & Thompson Drug Co., Baltimore, will leave this month for a Western tour, which will take him to Yellowstone Park and through California. He will be gone a month or six weeks.

Percy Falkingham, New York, heavy chemicals, has presented the Druachem Club, New York, with a large mahogany clock, inlaid with silver. The clock was formerly part of the equipment of his private yacht.

Richard T. Schwarze is now Boston representative of Thurston & Braidich, New York, vanilla bean importers. Offices are located in the Parker House building.

Hynson, Westcott & Dunning, Baltimore, manufacturers of pharmaceuticals, held a meeting last week at which all their sectional managers attended.

Supplies of wattle bark in Australia increased 52 per cent in 1923, compared with 1922, according to report of the Victorian Forests Commission.

GUM MASTIC PRICES TEND LOWER

George H. Lincks, gum importer, New York, writing on the gum sandarac and gum mastic positions, says: "From the primary market a cablegram was received quoting 32 cents per pound for replacement stock for immediate shipment. For shipment from Europe quotations have been received on the basis of 175s for 1,000 kilos and another lot, a little inferior in quality, 2,500 kilos at 150s. The market valuation here has toned up and dealers will be asking consumers before July 1 27 to 28 cents per pound, with a probability of no spot stock being available. Rather heavy sales were made on Monday with price advance.

"Gum mastic is very much easier in price, due to the fact that very heavy stocks exist here, probably sufficient to take care of the requirements of the consuming trade for several months. This naturally means that the primary market values will decline in an effort to move new shipments. The last cablegram received was at a reduction of 4 cents per pound from the previous cablegram. Further cablegrams are expected on the basis of say 45 cents per pound first cost. Holders here must realize quickly on the basis of say 50 to 51 cents per pound or stand heavier losses."

SEES MENACE IN NARCOTIC SMUGGLER

The narcotic situation in this country is now under control, says Samuel C. Henry of Chicago, secretary of the National Association of Retail Druggists. The public, he declares, is being misled by professional reformers. "We believe," says Mr. Henry, "that the narcotic situation is now under control. We further believe that with very rare exceptions registrants under the Harrison law are faithfully observing its provisions and limitations. It is our belief that the chief difficulty in the present situation is due to the failure of properly constituted authorities to run to cover the smuggler and the narcotic drug bootlegger."

GODDIN JOINS J. L. HOPKINS & CO.

Burt Goddin, formerly with McIlvaine Bros., Philadelphia crude drug millers, operating from their New York office, joined the sales staff of J. L. Hopkins & Co., New York crude drug importers, on July 1 as general sales manager. Mr. Goddin has been connected with the sale of medicinal chemicals and drugs for the past fifteen years.

Agents for the narcotic force are needed by the Prohibition Unit, Commissioner Haynes says. Examinations will be given by the Civil Service Commission for which applications may be filed with the Commission until July 22. Entrance salary for narcotic agents is \$2,100 a year, with the usual allowance for subsistence and traveling expenses when away from post of duty on official business.

Special railroad rates to the National Wholesale Druggists' Association convention to be held at Atlantic City, N. J., Sept. 22-26, will be given to members of the association, providing 250 convention certificates are turned in, according to Charles E. Matthews, chairman of the committee on rates and routes.

Shipments of commercial alcohol forwarded by express companies must be prepaid, according to present rulings, but on or about Sept. 1 shipments will be received by express companies from responsible shippers without the prepayment of express charges.

Max Bakst of Bakst Bros., New York, sailed June 25 for a two months tour through Europe.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 61, Aromatic Chemicals, 62

OIL CEDAR WOOD ADVANCES ON SPOT

Supplies Light and Demand Active—Oil Caraway Lower—Redistilled Oil Cassia Easier—Italian Oil Orange Lower—Oil Peppermint Softer—Ionones Sharply Up—Balsam Tolu Scarce—Coumarin Lower—Vanillin Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Cedar Wood, 2c lb.	Ionone, 100%, \$3.00 lb.
Rhodinol, \$3.00 lb.	Alpha, \$3.50 lb.
Declined	
Oil Caraway, 25c lb.	O.I. Patchouli, 25c lb.
Oil Cassia, Redistilled, 10c lb.	Oil Peppermint, Nat'l., 5c lb.
Oil Orange, Italian, 10c lb.	Oil Wormseed, 15c lb.
	Coumarin, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.60	\$3.65	\$3.90	\$2.60	\$7.00	\$5.00
Oil Citronella, Ceylon	.80	.80	.83	.70	.92	.60
Oil Cloves	1.75	1.75	1.85	1.95	3.70	1.40
Oil Lemon, Italian	.80	.80	.82½	.80	1.70	2.00
Oil Peppermint, Nat.	3.80	3.83	4.10	2.65	9.00	2.25
Oil Sandalwood, E. I.	6.25	6.25	6.25	7.70	13.00	5.25
Oil Sassafras, Artif.	.35	.35	.35	.45	1.00	.36
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.40	3.50	3.85	4.50	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.57	1.00	.90
Vanillin	.49½	.49½	.49½	.41	.95	.20
Average	2.10	2.12	2.18	2.06	6.83	2.05

The advance of oil cedar wood on spot, owing to curtailment of production of "slats" in the South, has featured an otherwise dull week in essential oils. A new low for the year has been noted in the average price of essential oils. Reports on new crop oils state that as far as can be estimated, average distillations will be made, while in a few instances considerably above average yield is reported. The actual effect of these reports cannot necessarily be estimated on spot owing to the present slow demand, which tends to lower the new crop prices more than a good steady demand would warrant. An easing up in Canadian trade has been caused by the strike of postal employees, and from latest information, no settlement has been reached. With spot stocks generally well controlled and with a certain amount of uncertainty about new crops, no large number of declines are expected from the point of view of the seller. However, consumers are still cautious in taking on supplies in spite of the bullish reports from essential oil houses.

Essential Oils

Oil Angelica—Root steady at \$32@36lb. spot as to seller and quantity.

Oil Anise—Market firm though quiet at 50c@52clb. spot for natural, and 52½c@55clb. for U.S.P. goods. Exports from Hongkong during 1923 were 260 tons, compared with about 200 tons for 1922.

Oil Bergamot—Coppers easy at \$3.60@3.80lb. spot with shipment fully equal to these values.

Oil Caraway—Has declined again and now quoted at \$6.25@6.50lb. spot owing to easier new crop figures. The large crop predicted some time ago has not become a reality. Last year estimates were made, but on harvesting the crop it was found to be smaller than average.

Oil Cassia—Redistilled has declined and now quoted at \$2.00@2.10lb. spot, and natural at \$1.45@1.60lb. Last week saw 25 cases and 5 drums entered at New York.

Oil Cedar Wood—Has advanced sharply and now nothing under 42c@44clb. is quoted in spot market. Shipments are said to be above these figures. Production has been curtailed owing to the small demand for the "slats". Reports are heard that Germany has been a large buyer of the oil during the past month.

Oil Citronella—Ceylon active and steady at 80c@90c lb. spot in drums, and 83c@93clb. in tins. Java firm and scarce at \$1.20@1.25lb. in drums, and \$1.25@1.30 lb. in tins with July shipment at \$1.20lb. c.i.f. New York. Little goods afloat are offered for sale.

Oil Lemon—Spot market steady at 80c@90clb. as to seller and quantity. While business has increased during the past two weeks, sellers report that it is not in proportion to the intensity of the warm weather. American, 75c@80clb.

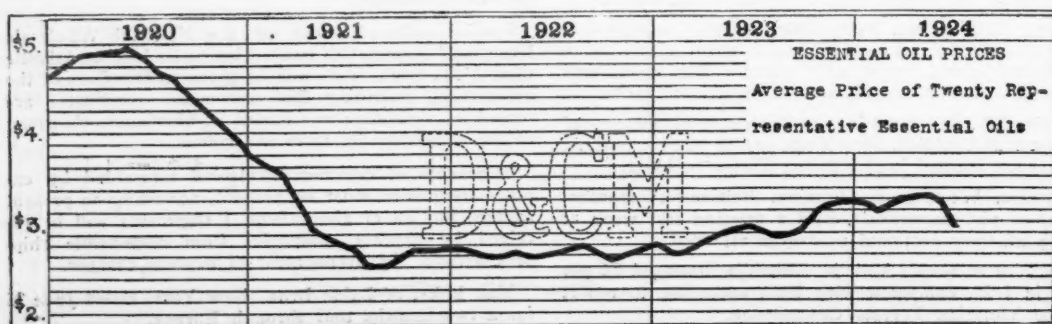
Oil Mustard—Artificial in small demand at the moment at \$3.00@3.15lb. spot.

Oil Orange—Italian has declined and now quoted at \$3.00@3.30lb. spot as to seller and quantity. Demand has eased off perceptibly. West Indian, \$2.60@2.75lb., and American, \$3.00@3.10lb.

Oil Patchouli—Lower at \$4.60@4.75lb. spot.

Oil Peppermint—Natural quoted lower at \$3.80@4.00 lb. spot as to seller and quantity. Redistilled, \$4.15@4.35lb. Demand routine only.

Oil Wormseed—Has declined sharply owing to ap-



proach of new crop goods and now quoted at \$4.50@ \$4.60lb. spot.

Balsams

Peru—Steady at \$1.80@ \$1.90lb. spot.

Tolu—Has advanced and now quoted at \$1.85@ \$1.95 lb. spot owing to scarcity. Reports are heard that within the last 90 days only 75 cases have been shipped from South America. Last week saw 10 cases entered at New York, but this shipment is reported sold.

Aromatic Chemicals

Rhodinol—Has advanced and now quoted at \$18@ \$21lb. spot owing to higher cost replacements. Extra, \$40@ \$47lb.

Coumarin—Makers have reduced price and now quote \$3.40@ \$3.65lb. spot owing to present slow demand, which has resulted in keener competition. Resales, \$3.40@ \$3.50lb.

Ionone—One hundred per cent material is sharply higher at \$12@ \$14lb. spot, and alpha \$14.50@ \$16.00lb.

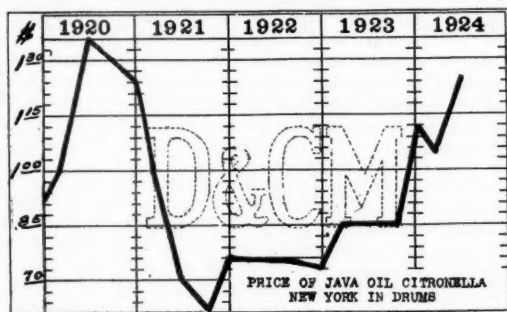
Methyl Salicylate—Makers report active business at 45c@ 47clb. spot as to quantity. Resellers name 44c@ 45clb.

Terpineol—Domestic makers name 48c@ 50clb. spot in drums, and 53c@ 57clb. in cans for ordinary. Absolute, which has come on the market, recently, is quoted at 90c@ \$1.15lb.

Vanillin—Active at 49½c@ 51c oz. by makers, and 42½c@ 45c oz. from resale quarters.

JAVA CITRONELLA OIL IN DEMAND

The rise in price of Java oil citronella has been steady since late in 1921, and at the present time goods on spot as well as afloat are very scarce, and the trade predicts much higher values in the near future. During the past



month some large parcels were sold, and consuming channels appear to be in great need of citronella, from which geraniol is made. The demand for this oil has increased within the last three years owing to the increase in the manufacture of better grades of soaps.

Birch tar, imported by Atlantic White Sea & Baltic Co., New York, has been held free of duty under Par. 1681 of the Fordney Law by the United States General Appraisers on an appeal by the company from an appraisal as oil of birch tar and dutiable at 20 per cent as an extracted oil.

Tyndale Eucalyptus Co., San Jose, California, has been absorbed by a new corporation which will continue the business in Chicago under the same name, with headquarters at 310-314 West Washington st.

Russell Colgate, of New York, was elected honorary president of the World Sunday School Association at its ninth annual convention in Glasgow, Scotland.

The Editor's Correspondence

Schimmel Test No Longer Useful

Editor, DRUG & CHEMICAL MARKETS:

The writer noticed with considerable interest your editorial on "Schimmel Test for Citronella" in your issue of June 4th, but is very far from agreeing with some of the statements made or with the conclusions drawn.

In the first place there still exist two (2) grades of Citronella which are customarily dealt in,—Schimmel test oil and so-called pure oil. It is quite true that the Schimmel test oil is of far better quality than the highly adulterated product which flooded the market a year ago, but this does not mean that buyers of it are protected against adulteration.

Your editorial likewise states that there is no earthly reason why the Schimmel test should be condemned for failing to do something which its originator never intended it should do. In the writer's opinion, this statement is entirely opposed to facts. The Schimmel test was devised as a means of making a quick approximation of quality. So long as the kind of adulteration practiced could be detected by this test it was a useful one. Your own editorial admits that Citronella oil highly adulterated with alcohol and approximately ten (10%) per cent of kerosene passed the test satisfactorily. Since this is the case, the test no longer possesses the slightest commercial usefulness. The muddled situation as regards Ceylon Citronella oil can be clarified only by the adoption of some test, possibly a modification of Schimmel's which must be sufficiently good to detect anything over five (5%) per cent adulteration. In the meantime to offer an oil as Schimmel's test oil is practically an admission that while it passes this now useless test, it may be highly adulterated. To put the matter briefly, the Schimmel test no longer accomplishes the purpose for which it is intended and therefore has outlived its usefulness.

UNGERER & Co., Inc.
per W. G. Ungerer.

New York, June 27, 1924.

NEW CITRONELLA STANDARD PROPOSED

Consumers of Ceylon oil citronella need not be perturbed as to the purity or quality if they insist on a "geraniol" standard, and the color will improve rapidly once prices reach a level at which skilled superintendents can be employed, according to the "London Times Trade Supplement," which says: "The annual production of oil citronella in Ceylon equivalent to the Java oil is estimated at 800,000 pounds, and almost the whole of this is absorbed by the growing perfumery and soap trades of Holland and Japan. Except for a small extent of land covered with a type of wild citronella in the Morawak Korale, and a slightly greater acreage covered with a hybrid citronella grass known among the natives as "Lena Batu" in the Matara District, the rest of the citronella area of Ceylon is covered with only the true high-class citronella grass grown in Burma and Java and known among the natives of Ceylon as Maha Pangiri (large citronella). Expert opinion holds that citronella grass grown and distilled in Ceylon under ideal conditions is quite equal in "geraniol" content to the best grass grown and distilled in Java and Burma. The blending trouble will be investigated shortly by the Low Country Products Association, supported by the Ceylon Government."

Mrs. Lillian S. Thomas, of Harriet Hubbard Ayer, New York, was married, recently, to Robert L. Dodge.

OILS DISTILLED IN NORTH CAROLINA

The North Carolina Geological and Economic Survey has issued a statement covering the distillation of oils and collection of herbs for medicinal purposes in that state, saying in part: "Among the oils which are distilled in North Carolina for commercial use are oil of sweet birch and oil of wintergreen, which are identical in chemical composition. The prevailing prices, it is stated, are \$2.30 and \$4.25 per pound, respectively. There are consumed in the United States an estimated 75,000 pounds annually.

"At Greensboro, N. C., is a plant which distills oil of cedarwood from knots and slabs which are the refuse in the manufacture of cedar chests. The oil sells for about 26 cents a pound. The United States uses annually of this oil about 200,000 pounds.

Nearly all of the 2,000 pounds of oil of pennyroyal, used in medicine, is distilled from the wild plants in North Carolina. Its prevailing price is \$2.40 per pound. Large quantities of the bark of sassafras root are obtained and sent to market from North Carolina. The annual production of oil of sassafras in the country amounts to 80,000 pounds, and it fetches an average price of \$1.85 per pound. As for mint, the nature of many lands, especially in Eastern North Carolina, is such as to hold out great hopes of its successful cultivation on a really large scale."

Research work is spreading in American Colleges of Pharmacy, according to Prof. H. V. Arny of Columbia University, president of the American Pharmaceutical Association. Twenty-nine instructors and students are now thus engaged, either as candidates for higher degree or as research fellows, Prof. Arny says. The University of Wisconsin leads with eleven research workers, the University of Washington, Seattle, is second with eight, and Columbia is third with four. The University of Michigan has three, the Philadelphia College of Pharmacy and Science two, and the University of Minnesota has one.

Robert Horne Bryson, a pioneer of the Canadian drug business, died on Saturday evening, June 28, at Saraguay, Que. Mr. Bryson was the owner of Bryson's Ltd. Mr. Bryson started as assistant druggist employed by Kenneth Campbell in a drug store on St. Francis Xavier St. He opened Bryson's Medical Dispensary in 1849, developing the drug store and dispensing laboratory of that day into the prosperous business which he leaves at his death.

As the result of a recent conference between growers and officials of the State Department of Agriculture, the use of the iodine test to determine the maturity of pears for Eastern shipment is being employed in California. The test consists in painting the pear with a 10 per cent solution of iodine. If the fruit discolors it is a sign the fruit is too green.

Household Products, Inc., has declared a quarterly dividend of 75c a share, payable Sept 2 to stock of record Aug. 15. Earnings of Household Products, Inc., thus far in the current year have been running slightly ahead of those for the corresponding period of 1923, according to officials.

Exports of glycerin during April totaled 54,386 pounds, valued at \$9,399, of which the largest quantity went to China. Imports of crude glycerin totaled 856,008 pounds, valued at \$86,535, of which the largest quantity came from France.

Pyromucic acid has been proposed as a preservative for organic materials such as glue, starch, and toilet creams. One per cent of acid is said to be sufficient.

CHEAP PERFUMES BOUGHT IN CHINA

About one-sixth of the Chinese population use toilet preparations, according to a report from Tsingtau to the Chemical Division, Department of Commerce. Among the foreign residents, other than the Japanese, and a few of the more modern Chinese, American toilet preparations are popular and in fair demand, especially shaving soap and creams, talcum powders, dentifrices, and toilet soap. Most of the Japanese residents use toilet preparations manufactured in Japan. At present the local market is largely stocked with toilet preparations of Japanese manufacture. The better grades of perfumes offered for sale are of French and American manufacture, while the cheaper grades are largely of Japanese manufacture. Japanese, American, German, and French toilet preparations are handled by the leading department stores and pharmacies in Tsingtau.

The majority of the Chinese people are not accustomed to the use of high grade toilet preparations, nor are they financially able to purchase them. Cheap grades of soap are used almost exclusively by a large majority of the population of China for all washing purposes and it is, therefore, one of the most important articles sold in that country that could be sold under the heading of toilet preparations. The best means of introducing a new line of toilet preparations in that country is by establishing a branch agency under the charge of a foreign representative to supervise native agents and to sell direct to the native retail merchants.

Total production of olives and olive oil in Spain during the 1923-24 season was from 3 to 5 per cent larger than the 1922-23 crop and slightly larger than the average for the past five years, according to Consul R. J. Totten, Barcelona. The total acreage in 1923-24 was 4,013,700 acres which produced an average of 886 pounds of olives per acre. The total production of olives amounted to 3,556,400,000 pounds, of which 3,481,000,000 pounds were used for production of 86,126,000 gallons of olive oil. Recent rains have put the olive trees in good condition and according to reports olive orchards show promise of bearing heavily in the coming season.

Thirteen chemical companies, members of the Chemical Section of the National Safety Council, report an average accident severity rate of 4.783 for 1923. This is the first accident report of the Chemical Section. Eleven fatalities had much to do with the high rate. Many of the larger companies which have carried on safety work for several years, were able to hold the rate down. The average frequency rate was 21.25.

The stock of Canadian Industrial Alcohol, Ltd., the par value of which is \$25, reached a new high point of 29¼ on the Montreal Exchange on June 23, when it was announced that the rate of dividend had been increased from 6 to 8 per cent. According to unofficial reports the company's profits are ahead of last year.

Frederick A. Koch, of the New York sales office of the Dow Chemical Co., was married June 25 to Miss Helen Kelley of Richmond Hill, Long Island.

M. V. de Sa, Rua de Lavradio 105, Rio de Janeiro, Brazil, S. A., recently organized, is said to be in the market for a quantity of chemical products.

Prof. Irving Fisher, of Yale University estimates the purchasing power of the dollar at 70 1-10 pre-war cents, for the last week in June.

Clarence Morgan & Co., Chicago, chemicals and essential oils, will remain closed on Saturday, July 5.

Drug Consuming Industries

Drug Trade Notes

Clay Glover Co., New York, have reduced prices for their Glover's Soap from \$2.10 to \$1.75 per dozen.

George F. Weaver has been appointed representative of the territory west of Denver for Harriet Hubbard Ayer, New York.

Sales by wholesale drug houses throughout the United States showed an increase of three per cent in May, 1924, as compared with the same month a year ago.

Lineca, Ltd., Rua de S. Juliao 190, Lisbon, Portugal, importers, are interested in the purchase of chemical products from companies in position to ship on advantageous terms.

Harold Egan, New York City representative for Coty's, who was married recently, returned Tuesday from a two week's motor trip through the Adirondack Mountains with his bride.

Nux vomica is offered at 6 to 7 rupees per maund (one maund equals 82 pounds) for immediate shipment, and the situation is expected to remain unchanged until October-November, when holders may possibly unload old stocks at low prices, according to a report from Calcutta.

Fiolet, Inc., perfume importers, are offering a new line of talcum, lip sticks, compacts, and crystallized brilliantine of French manufacture. The lip sticks are packed in a new type of case, thin and wide, a style which has been sold abroad quite freely, but not previously in the United States.

United Drug Co. reports that sales hold up well notwithstanding the sharp let-down in general business. In the month of May sales amounted to \$5,533,000 compared with \$5,388,000 in May, 1923. In the five months ended May, sales totaled \$28,336,472 compared with \$26,822,407, an increase of 5.65%. May sales increased 2.69% while April showed an increase of 2.34%. In the first quarter the increase was even more marked, being nearly 8 per cent. The company now operates 290 stores.

A decision was rendered on Saturday by the United States Court of Customs Appeals in Docket 2,282, in the case of Lewis C. Hopkins Co. against the United States relative to camphor. The decision was rendered by Acting presiding Judge Smith. Camphor assessed at 5c per pound as refined, was claimed by the importer to be properly dutiable at 1c per pound as crude. The Board of General Appraisers sustained the protest of the importer and the decision of the Board was reversed by the Court.

A decision was rendered by the United States Court of Customs Appeals, on Saturday, in connection with tincture of Jamaica ginger, in Docket 2,299 of the International Sales Co. against the United States, the opinion being rendered by Associate Judge Hatfield. In an importation of tincture of Jamaica ginger, the importers claimed that a drawback and Canadian internal revenue tax should not be added to make dutiable value. The Board of General Appraisers overruled the protest of the importer and the judgment of the Board was affirmed by the Court.

IMITATION IS FRAUD, SAYS COURT

Opinion In Litigation Between Eli Lilly and Warner Criticises Deceptive Advertising

In the decision handed down by the U. S. Supreme Court in the litigation between Eli Lilly & Co. and William R. Warner & Co., Judge Sutherland said in part:

"It is apparent, from a consideration of the testimony that the efforts of petitioner (William R. Warner & Co.) to create a market for Quin-Coco were directed not so much to showing the merits of that preparation as they were to demonstrate its practical identity with Coco-Quinine, and, since it was sold at a lower price, inducing the purchasing druggist, in his own interest, to substitute, as far as he could, the former for the latter. In other words, petitioner (William R. Warner & Co.) sought to avail itself of the favorable repute which had been established for respondent's (Lilly's) preparation in order to sell its own. Petitioner's (Warner's) salesmen appeared more anxious to convince the druggists with whom they were dealing that Quin-Coco was a good substitute for Coco-Quinine and was cheaper, than they were to independently demonstrate its merits. The evidence establishes by a fair preponderance that some of the petitioner's (Warner's) salesmen suggested that, without danger of detection, prescriptions and orders for Coco-Quinine could be filled by substituting Quin-Coco.

"But the imitator of another's goods must sell them as his own production. He can not lawfully palm them off on the public as the goods of his competitor. The manufacturer or vendor is entitled to the reputation which his goods have acquired and the public to the means of distinguishing between them and other goods; and protection is accorded against unfair dealing whether there be a technical trade-mark or not. The wrong is in the sale of the goods of one manufacturer or vendor as those of another."

TREASURY FIXES MEANING OF HEROIN

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 2.—The question has come up in connection with the Porter Narcotic Act as to whether or not the chemical name for heroin "diacetylmorphine" was meant to be included in the act. In this connection M. R. Livingston, Acting Secretary of the Federal Narcotics Control Board has issued the following memorandum supplementing former communications of the Board on this subject.

"The term 'heroin' as used in the Act approved June 7, 1924, providing that no crude opium may be imported, or brought in, for the purpose of manufacturing heroin, and in the statement issued by the Secretary of the Federal Narcotics Control Board entitled 'Importation of opium for the purpose of manufacturing heroin forbidden', dated June 10, 1924, is hereby defined to mean diacetylmorphine and any of its salts or derivatives."

Why and how drugs select special parts of the nervous system for their action is the aim of an investigation under way at New York University by Prof. R. R. Renshaw, according to the American Chemical Society. Different drugs, such as nicotine, strychnine, and morphine, act on particular kinds of nerves in particular ways, it was said, but no fundamental evidence has been produced to explain this selective action.

Books of Trade Interest

CHARTS OF THE CHEMICAL REACTIONS OF THE COMMON ELEMENTS. By John A. Timm, Ph.D., Instructor in Chemistry, Yale University. 81 pages, 8vo. John Wiley & Sons, New York. 1924.

These charts are useful as a source of information to which one may refer when new or unfamiliar reactions come to his attention.

THE CHEMICAL ELEMENTS. By F. H. Loring, author of "Atomic Theories." With 14 tables and 4 diagrams. 166 pages, 8vo. E. P. Dutton and Co., New York, 1923.

This work presents in a simple and concise form certain characteristics of the chemical elements as studied from the point of view of their quantitative grouping and their structural binding, and to bring into prominence the significance of "space physics" as applied to certain phenomena involved.

CHEMIKER-KALENDER. By Dr. Rudolf Biedermann. In Two Volumes of 620 pages and 640, respectively. In German. Julius Springer, Berlin. 1924.

Volume I contains valuable chemical information for use in the laboratory, and Volume II consists of tables and problems of physics and physical chemistry.

CHEMICAL CALCULATIONS. By J. S. Long, Ph.D. and H. V. Anderson, Ch.E., both of Lehigh University. First Edition. 164 pages, 8vo. McGraw-Hill Book Co., New York. 1924.

The use of proportion, "this is to this as that is to that," as commonly practiced in chemical computation, is discouraged. The problems are presented in such a way as to be solved by keeping before the mind the physical concepts in question rather than a formula for turning a mathematical crank and grinding out the desired answer.

APPLIED CHEMISTRY. By Fredus N. Peters, Ph.D., Instructor in Chemistry in Central High School, Kansas City, Mo.; 461 pages, illustrated, 8vo. C. V. Mosby Co., publishers.

The author has endeavored to present the science of chemistry and the chemical facts of every day life in a readable form and by so doing make them more interesting. A text book which explains how chemistry applies to many phases of daily life and in industry. Numerous illustrations supplement the text.

MARKETS OF THE WORLD. Compiled by General Drafting Co., New York. 41 pages. The First National Bank of Boston, Boston. 1920.

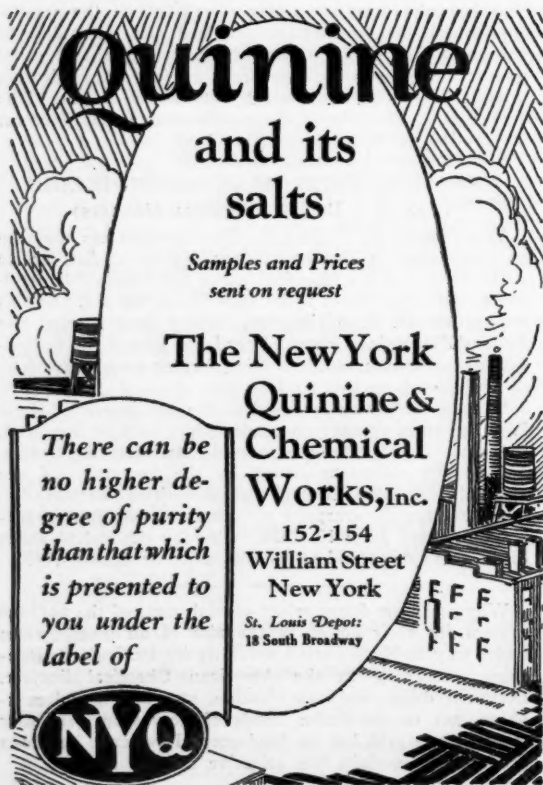
A list of the principal countries of the world from the standpoint of trade are considered in this series. This work has been specially prepared for the use of sales managers in determining the market possibilities of any given state, province, or territory.

TASCHENBUCH FÜR DEN CHEMIKALIENHANDEL. By Dr. J. Bischoff. 344 pages, 8vo. Second Edition. In German. A. Ziemsen Verlag, Wittenberg (Bez. Halle), Germany. 1922.

Part I is devoted to an alphabetical list of chemicals, giving physical properties and uses of same, and part II consists of a chemical synonymous dictionary.

FOURTH INDUSTRIAL DIRECTORY OF PENNSYLVANIA. Compiled by the Bureau of Statistics and Information, M. Hoke Gottschall, Director. 1386 pages, 8vo. J. L. I. Kuhn, Harrisburg, Pa. 1922.

This book serves an invaluable purpose in portraying the extent and magnitude of Pennsylvania industry. Geographical arrangement of the industrial plants by counties and towns has been adopted in order to show that industrial enterprise has permeated every section of the Commonwealth. An admirable feature will also be found in the historical and miscellaneous data on Pennsylvania and each of the sixty-seven counties.



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FOREIGNERS SEEK EXPOSITION SPACE

Requests from European manufacturers of chemicals, dyestuffs, plant machinery and instruments, for space in the 1925 Chemical Exposition have been received in larger numbers this year than on any previous occasion. German, Swiss, French and British manufacturers are anxious to display their goods in the American exposition when it is held at the Grand Central Palace, New York, Sept. 28 to Oct. 3. In former years, applications from firms outside of the United States and Canada have been rejected, in spite of the determined efforts of the foreign firms to display their goods in the "show room" of the American chemical industry, but this year no final decision on the point has been made.


A 36-page booklet entitled "How to Route Freight to and from Inland Points in the United Kingdom" has been issued by Cunard Steamship Co. The pamphlet includes: Cities in England, Ireland, Scotland and Wales having population over 10,000; counties in England, Ireland, Scotland and Wales; population of the United Kingdom; cities in England, Ireland, Scotland and Wales having population over 100,000; map of British Isles; Metropolitan boroughs of London; population of Greater London; Port of London Authority Docks; Southampton to London service; distances, in miles, by rail between points in England, Scotland and Wales. Copy of this booklet will be furnished on application to the Cunard Steamship Company, Limited, 25 Broadway, New York City.

Charles A. Reynolds, prominent leather manufacturer, of Moorestown, N. J., died last week after a year's illness. He helped to organize the Keystone Leather Co., resigning as president two years ago to organize the C. A. Reynolds Co. He was 54 years of age.

A new tariff just issued by the Boston & Maine railroad sets forth a reduction in the freight rate on china clay from Boston and Portland, Me., to Rochester and Syracuse, N. Y. These rates have previously been "class rates" and are now listed as "commodity rates" which is equivalent to a reduction. The new rate is twenty-four cents per hundred pounds from Boston to the two New York state points and twenty-six cents per hundred pounds from Portland, Me., to those points. It applies to carload lots only. Inasmuch as the bulk of the china clay coming to New England is brought to Boston and Portland, the change in the rate is of considerable importance to consumers. The change will become effective July 17.

Imports of paper making chemicals were larger during June. Several boats arrived at Boston from Argentina with casein consigned to local importers for the account of Fitchburg paper mills. Arrivals of china clay are also noted. Recent imports include the following: Steamship Laland, arrived June 23 from Buenos Aires with 417 bags of ground casein and 87 bags of unground. Steamship Crofton Falls arrived last week from Buenos Aires with 1,334 bags of casein. Steamship Holland Maru arrived from Fowey, England, with 5,318 tons china clay for Portland and 2,350 tons for Boston. This was the largest arrival of china clay for some weeks.

From the point of volume of sales, 1923 was the premier year for the asbestos industry in Canada, but the total sales value of this commodity declined very materially, according to the Dominion Bureau of Statistics. The sales for the year totalled 231,482 tons with a return to the operators of \$7,522,506 as compared with 163,706 tons sold in 1922 worth \$5,552,723.



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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls. D	.27	.38
100 lb kgs.	.25	.30
USP 200 lb bbls. D	.30	.32
Second Hands	.30	.31
Acetic Anhydride		
85-90% 107 lb cys. D	.40	.40
90-95% 100 lb cys. D	.40	.43
C.P. 100 lb cys. D	.80	.80
Acetone, CP 700 lb drs. c/l wks. D	.15	.16
700 lb drs. l/c wks. D	.15% .16%	
350 lb drs. l/c wks. D	.16	.17
Second Hands, spot	.16%	.17
Acetone, 100 gal. drums. D	.35	.35
Acetone Oils, light, drs. wks. gal	1.40	1.45
Heavy, drs. wks. gal	1.40	1.45
Acetophenetidin, 150 lb bbls. D	1.85	1.90
Acetyl Chloride, 160 lb cys. D	.40	.41
ACID, 1, 2, 4, 250 lb bbls. D	1.30	1.30
Acetic, 25% 400 lb bbls. c/l		
25% 100 lb wks. D	3.12	3.12
25% 100 lb wks. D	3.37	3.37
25% 100 lb wks. D	5.85	5.85
25% 100 lb wks. D	6.10	6.10
25% 100 lb wks. D	7.20	7.20
25% 100 lb wks. D	7.45	7.45
25% 100 lb wks. D	8.19	8.19
25% 100 lb wks. D	8.44	8.44
25% 100 lb wks. D	9.95	9.95
25% 100 lb wks. D	10.25	10.25
25% 100 lb wks. D	11.01	11.01
25% 100 lb wks. D	11.26	11.26
25% 100 lb wks. D	11.76	11.76
Acrylamide, 250 lb bbls. D	.75	.85
Second Hands	.70	.71
Anthranilic, tech. drs. D	.94	.94
98-100% 100 lb drs. D	1.00	1.00
Benzoic, tech. 100 lb bbls. D	.75	.75
Tech. see last bbls. D	.75	.75
USP 100 lb bbls. D	.75	.85
Second Hands	.72	.75
Boric, crys. powd. 250 lb bbls. D	.09%	.09%
Kaps. 100 lb D	.10	.10%
Bromine's 250 lb bbls. D	1.35	1.35
USP 100 lb bbls. D	.40	.50
C.P. 100 lb bbls. D	1.25	1.50
Camphoric, USP VIII 1 lb bot. D	6.00	6.00
Carbolic, USP crys. see also Phenol		
115 lb tins	.26	.28
25 lb tins	.25	.29
25 lb tins or bot.	.20	.23
1 lb bot.	.35	.37

Acid Carbolite—(continued)		
Liquid USP 1 lb bot. D	.36	.37
Crude, 25% 50 gal. bbls. gal	.33	.35
10% 50 gal. bbls. gal	.27	.30
Carbonic, see Carbon Dioxide		
Chloracetic		
mono 100 lb bbls. wks. D	.25	.25
Di. 150 lb cys. wks. D	1.00	1.00
Tri. 425 lb bbls. wks. D	2.50	2.50
Chlorosulfonic, 1500 lb drs.		
wks. D	.15	.16
Chromic, USP 200 lb drums. D	.40	.40
85% Pure, 200 lb drums. D	.35	.35
Chromotropic, 300 lb bbls. D	1.35	1.35
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans. D	3.93	3.93
CITRIC, USP crys. 230 lb bbls. D	.46	.46
Powd., USP 200 lb bbls. D	.47	.47
Imported, crys. 112 lb kgs. D	.47	.48
Single kgs. D	.48%	.48%
Clevis, 250 lb bbls. D	1.00	1.10
Cresylic, 95% dark dr. NY. gal	.63	.65
97-99% pale, dr. NY. gal	.65	.75
Crude, spot, drums. gal	.55	.60
Diethylbarbituric, Dom., 35 lb lots.		
1 lb bot. D	10.00	12.00
Imp. 10 lb lots. D	3.75	4.00
Formic 85% tech. 140 lb cys. D	.12%	.13
90% 80 lb cys. tins. D	.13	.13%
Galle, USP 150 lb bbls. D	.70	.70
Gamma, 225 lb bbls. wks. D	1.50	1.50
Glycerophosphoric, 25% 1 lb b. D	1.85	1.85
H 225 lb bbls. wks. D	.72	.75
Hydrolic, 10% USP 5 lb bot. D	.75	.75
Hydrochloric, 48% 155 lb cys. wks. D	.35	.40
48% 100 lb cys. wks. D	.40	.40
48% 155 lb cys. wks. D	.45	.48
10% USP 100 lb cys. wks. D	.11	.13
Hydrochloric, see also Acid Muratic		
CP. USP 110 lb cys. D	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks. D	.07	.07
30% bbls. c/l wks. D	.08	.08
30% 180 lb cys. wks. D	.07	.07
48% single 100 lb cys. wks. D	.11	.11
48% 10 cys. wks. D	.10	.10
52% 100 lb cys. wks. D	.14	.14
52% 10 cys. wks. D	.11	.11

Acid, hydrofluoric—(continued)		
60% 100 lb cys. wks. D	.14	.14
60% 300 lb dr. wks. D	.13	.13
White Acid, 100 lb cys. wks. D	.20	.20
White Acid, 10 cys. wks. D	.25	.25
Hydroxymaleic, 35% 450 lb bbls.		
wks. D	.12	.12
Hypophosphorous, USP 30% 5		
gal. demis. D	.85	.85
USP 10% 5 gal. demis. D	.30	.30
LACTIC, 22% dark 500 lb bbls. D	.05	.05%
22% light bbls. D	.06	.06%
44% dark bbls. D	.10%	.11
44% light bbls. D	.12%	.13
66% bbls. dark, bbls. D	.16%	.17
66% light, bbls. D	.26	.26%
USP IX 100 lb cys. D	.70	.70
USP VIII 100 lb cys. D	.70	.70
Laurent's, 250 lb bbls. D	.90	.90
Metanilic, 250 lb bbls. D	.60	.65
Mixed, sulfuric-nitric		
Drums, wks. D	.07%	.08
Drums, wks. D	.01	.01%
Tank cars, wks. D	.06%	.07
Tank cars, wks. D	.009	.01
Molybdic, 85% pure 100 lb kgs. D	1.35	1.60
100% C.P. 100 lb kgs. D	2.00	2.10
Monosulfonic F, Delta, 50 lb		
tins. D	2.20	2.20
MURATIC, 20% cys. l/c		
wks. D	1.35	1.75
Cys. c/l wks. D	1.20	1.25
Tank cars, wks. D	1.00	1.10
18%, 120 lb cys.		
c/l wks. D	1.00	1.10
Tank cars, wks. D	. . .	. . .
23%, 120 lb cys.		
c/l wks. D	1.75	2.00
Don. free 30° cys.		
c/l wks. D	. . .	. . .
Tank cars, wks. D	. . .	. . .
Muratic, CP & USP, see Acid Hydrochloric		
Naphthalenic, tech. 250 lb bbls. D63
Refined, single bbls. D65
Nerile & Winther's, 350 lb		
bbls. D	1.05	1.10

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Chemicals

ACID, NITRIC, 86° 185B			ACID, Sulfuric			ALCOHOL—(continued)		
le/l chys. wks.....100B	4.75	5.25	le/l wks.100B	1.50	1.75	Isopropyl, crude 50 gal. drs..gal	2.25	
Chys. c/l wks.....100B	4.50	4.75	Drums, c/l wks.....100B	1.25	1.50	Refined, 50 gal. drs.....gal	4.00	4.50
38° le/l chys. wks.....100B	5.25	5.75	Tank cars, wks.....net ton	17.00	18.00	Ref'd, 91% drs.....gal		3.50
Chys. c/l wks.....100B	5.00	5.25	Contract cars, wks.....net ton			Methyl, see Alcohol, Wood		
40° le/l chys. wks.....100B	5.75	6.00	Olseum, 40% drs le/l wks.net ton		40.00	Propyl, nml. crd. 50 gal. drms.gal		4.40
Chys. c/l wks.....100B	5.50	5.75	Olseum, 60% drs. le/l wks.net ton	60.00	70.00	Refined, 16 lb cans.....lb		.75
42° le/l chys. wks.....100B	6.25	6.75	Sulfurous, USP 6% 100B chys..lb	.05	.08	Denatured		
Chys. c/l wks.....100B	6.00	6.25	4% 100B chys.....lb	.04	.05	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks.....100B	.13	.16	USP, 5 gal. demis.....lb	.08	.08	50 gal. bbl. incl.....gal	.53½	.55½
Oxalic, 325 lb bbls., wks.....lb	.10	.10½	Tannic, tech. 300 lb bbls.....lb		.35	50 gal. drums, extra.....gal	.46½	.48½
Bbls. NY.....lb	.10	.11	USP, powd 200 lb bbls.....lb	.75	.80	No. 1 Special Denat. 190 Proof		
Kegs, 100 lb NY.....lb	.10½	.11½	USP, fluffy, 50 lb bbls.....lb	.75	.80	50 gal. bbl. incl.....gal	.52½	.53½
Imp., 560 lb casks.....lb	.10	.10½	Tartaric USP cryst 300 lb bbls..lb		.30	50 gal. drums, extra.....gal	.45½	.47½
Phosphoric, 50% tech. 100 lb chys.	.08	.09	USP, powd. 300 lb bbls.....lb		.30	No. 5 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70 lb. demis	.16	.17	Imp. USP, 240 lb bbls.....lb	.27	.27½	50 gal. bbls. incl.....gal	.51½	.53½
Imported.....lb			Powd. 240 lb bbls.....lb	.27½	.28	50 gal. drums, extra.....gal	.44½	.46½
Phthalic, see Phthalic Anhydride			Tobias, 250 lb bbls.....lb	.90	.95	No. 6 Complete Denat. 188 Proof		
Picramic, 300 lb bbls.....lb		.65	Tungstic, 100 lb keps.....lb		1.00	50 gal. bbls. incl.....gal	.50½	.52½
Picric, 450 lb bbls.....lb		.50	Valeric, C.P., 10 lb bot.....lb	2.50	2.75	50 gal. drums, extra.....gal	.43½	.45½
Bbls. car lots wks.....lb	.20	.25	Acetiline Alk. cryst 1 qt. vls..oz		20.00	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Pyrogallic, crys. 5 lb cans.....lb	1.25	1.80	Amorphous, 1 oz. vls.....cw		20.00	Aloin, USP, 100 lb cases.....lb	.85	.90
Resublimed, 5 lb cans.....lb	1.55	1.65	Adeps Lanæ, hydrous 350 lb bbls..lb	.20	.25	Alpha-Naphthol, crude 300 lb bbls..lb		.65
Tech. powd., 200 lb bbls.....lb		.85	Ar hydrous, 350 lb bbls.....lb	.23	.35	Refined.....lb		.80
Salicylic, tech., 125 lb bbls.....lb	.32	.53	Albumen Egg, edible.....lb		1.20	Alpha-Naphthylamine, 350 lb bbls..lb	.35	.37
USP, 100 lb bbls.....lb		.35	Blood.....lb	.40	.45	Ton lots, bbls. wks.....lb		.85
Second Hands.....lb	.33	.34	Vegetable.....lb	.60	.70			
Sulfanilic, 250 lb bbls.....lb	.16	.20	Technical, see Dyes Sundries					
SULFURIC, 68° 180B chys.			ALCOHOL, USP 190 pf. 50 gal. bbls.	4.83	4.91			
le/l wks.....100B	1.35	1.75	Second Hands, bbls, USP 190 pf.					
Chys. c/l wks.....100B		1.35	Export, USP, 190 pf.....gal	.45	.83			
1500 lb Drums, le/l wks.		1.25	Cologne Spirit, 50 gal. bbls.gal	4.90	5.00			
Drums, c/l wks.....100B		1.10	WOOD, see Methanol					
Tank cars, wks.....net ton	14.00	15.00	Alcohols, also in 50 gal. drums, extra and returnable.					
60° 1500 lb Drums			Amyl, see Oil Fusel					
le/l wks.....100B	.75	1.00	Butyl, 50 gal. drums, wks..lb		.32			
Drums, c/l wks.....100B	.65	.75	Tank cars, wks.....lb		.30			
Tank cars, wks.....net ton	9.00	10.00	Isobutyl, crude 50 gal. drums.gal					
C. P. 175B chys.....100B	.08	.09	Refined, 10 lb can.....lb	2.00	2.50			

General Chemicals

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Sulphuric Acid

Acetic Acid	Ammonia Alum	Salt Cake
Epsom Salt	Aluminum Sulphate	Tin Crystals
Hydrochloric Acid	Anhydrous Bisulphite Soda	Sodium Sulphide
Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Hydrofluoric Acid	Sodium Phosphate

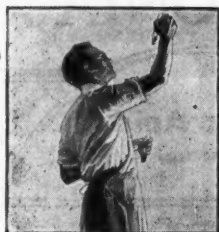
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Chemicals

ALUM. Ammonia, lump 400 lb bbls.			AMMONIA anhyd. 100 lb cyl.			AMMONIUM—(Continued)		
wks.	100 lb	3.50 : 3.65	Water, 26° 800 lb drs. wks. ....	...	.30	Persulfate, 112 lb cases. ....	.85	.40
Imp. 500 lb casks.	100 lb	...	Drs. c/l wks. ....	...	.06%	Phosphate, dibasic 200 lb bbls. ....	...	.33
Ground, 400 lb bbls. wks.	100 lb	3.65 : 3.75	C.P., cbs. ....	...	.14	Tech., powd. 325 lb bbls. ....	...	.13
Powd. 380 lb bbls. wks.	100 lb	3.90 : 4.00	Imp., 800 lb drs. incl. spot. ....	...	.06%	Phosphate, mono. 325 lb bbls. ....	...	.12 1/4
Chrome 500 lb cks. wks.	100 lb	5.50 : 6.00	26° 100 lb cbs. lc/l wks. ....	...	.07%	Salicylate, USP 100 lb kegs. ....	.70	.75
Potash, lump 400 lb bbls.	...	...	Cbs., c/l wks. ....	...	.07 1/4	Sulfate, bulk c/l wks.	100 lb	2.50 : 2.60
wks.	100 lb	4.50	20° 800 lb drs. lc/l wks. ....	...	.05 1/4	206 lb single bgs. c/l wks.	100 lb	2.60 : 2.65
Bbls. c/l wks.	100 lb	4.25	Cbs., lc/l wks. ....	...	.06 1/4	200 lb double bgs. f.a.s.	100 lb	2.60 : 2.65
Cont. bbls. c/l wks.	100 lb	4.35	18° 800 lb drs. lc/l wks. ....	...	.04%	Sulfocyanide, tech. 100 lb kgs. ....	...	.60 : .60
Imp. 650 lb cases s.p.	100 lb	3.00	Cbs., lc/l wks. ....	...	.05%	c.F. 25 lb jars. ....	...	.60 : .70
Ground, 400 lb bbls. wks.	100 lb	4.35 : 4.60	16° 800 lb drs. lc/l wks. ....	...	.04%	Amyl Acetate, tech. 50 gal. drs.	gal	2.80 : 3.00
Imp 650 lb casks.	100 lb	3.00	Cbs., lc/l wks. ....	...	.05 1/4	Refined, 50 gal. drums.	gal	3.25 : 4.00
Powd., 380 lb bbls. wks.	100 lb	4.50 : 4.75	Ammonium Acetate, 100 lb kegs. ....	...	.37	Alcohol, see Fuel oil	...	...
Chrome, 700 lb cks wks.	100 lb	5.50 : 6.00	Benzoate, USP, 1 lb bot. ....	.90	.95	ANILINE OIL , 500 lb drs. ....	...	.16 : .17
Soda grd. 400 lb bbls. wks.	100 lb	4.00	Bifluoride, 300 lb bbls. ....	.22	.23	Aniline Salt 200 lb bbls. ....	...	.22 : .23
Bbls. c/l wks.	100 lb	3.50	100 lb kegs. ....	.23	.24	Anthracene, 80-85%, 600 lb casks	...	...
Aluminum, metal, c/l NY.	100 lb	28.00 : 29.00	Bromide, 50 lb boxes. ....	.44	.45	wks. ....	...	.80 : .85
Chloride, anhyd. 275 lb drs. ....	...	.20 : .22	Imported, 112 lb boxes. ....	.27	.29	28-30%, Imp. ....	...	.02 : .02 1/4
Crystals, 375 lb bbls. ....	...	.06 1/4	Carb., tech. 500 lb casks. ....	...	.08 1/4	Anthraquinone, subl. 125 lb bbls. ....	...	1.00 : 1.15
30% sol. 120 lb cbs. ....	...	.03 1/4 : .04	Powd., tech. 385 lb bbls. ....	...	.09	Antimony metal, slabs ton lots.	100 lb	8.25 : 8.50
Hydrate 96% light 90 lb bbls. ....	...	.17 : .18	USF, lump, 100 lb kegs. ....	.12	.13	Needle Powd., 100 lb cases. ....	...	.07% : .08%
Heavy 62-64%, 220 lb bbls. ....	...	.06 : .06 1/4	Powd., 100 lb kegs. ....	.13	.14	ANTIMONY CHLORIDE , anhyd 1000 lb	...	...
400 lb bbls. wks. ....	...	.06 1/4 : .07	Chloride, Domestic	...	...	drs. ....	...	.35
SULFATE , iron-free bags c/l	...	...	White, 250 lb bbls, c/l ....	...	.67 1/4	50 lb crocks. ....	...	.45 : .48
wks.	100 lb	2.25 : 2.40	250 lb bbls., lc/l wks. ....	...	.08	Crystals. ....	...	.06 1/4
Imported, spot.	100 lb	2.30 : 2.35	Gray 250 lb bbls. wks. ....	...	.08 1/4	Sol'n, 130 lb carboys 32°. ....	...	.03 1/4
Cem'm'l., 1/2% iron. bgs. c/l	...	...	Bbls., c/l wks. ....	...	.07 1/4	Oxide, 500 lb bbls. ....	...	.08 : .08 1/4
wks.	East 100 lb	1.35	Imp. wh. 250 lb casks spot. ....	...	.06 1/4 : .06 1/2	Salt, dom. 500 lb bbls. ....	...	.24 : .25
Cont. bgs. c/l wks. E.	100 lb	1.30 : 1.35	Gray 250 lb bbls. wks. ....	...	.08 1/4 : .08 3/4	Imp., NY. ....	...	.18 : .19
Bags, c/l wks. W.	100 lb	1.30	Lump, 500 lb casks spot. ....	.12	.13	Sulfuret, golden 500 lb bbls. ....	...	.21
Bbls., c/l wks. East.	100 lb	1.50	Ichthyolate, as to brand.	4.85	5.00	336 lb kegs. ....	...	.19
Bulk, c/l cont. wks. E.	100 lb	1.50	Iodide, USP. 25 lb jars. ....	...	5.20	Crimson, 500 lb bbls. ....	...	.32
Amidol, (see Diaminophenol)	...	...	Lactate, 500 lb bbls. ....	.15	.16	336 lb kegs. ....	...	.32
Amidopyrine, Imp. 10 lb boxes. ....	...	4.35 : 4.50	Nitrate, tech. crys. 225 lb bbls. ....	...	...	Red, 500 lb bbls. ....	...	.45
Domestic, 10 lb boxes. ....	...	4.60	Refined Crystals, bbls. ....	.21	.23	336 lb kegs. ....	...	.43
Aminooazobenzene, 110 lb kegs. ....	...	1.15	CP gran. 100 lb kegs. ....	.35	.37	Tartracate, 500 lb bbls. ....	...	.46
			Oxalate, pure, 100 lb kegs. ....	.40	.42	Antipyrine, USP, 100 lb cases. ....	...	2.10 : 2.20
						Apomorphine Hydrochloride, 1/4 oz. vials. ....	...	21.15
						Arecoline Hydrobromide, 1 oz. vial.	6.25 : 7.82
						Argols, red powd. 350 lb bbls.06 : .07



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Toluidine (Base)
Dinitrotoluene
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Chemicals

Arsenic, metal, 220 lb kegs....lb	..	.45	Benzidine Base, dry 250 lb bbls..lb	..	.80	BISMUTH—(Continued)		
Red, 224 lb kegs cases....lb	..	.15	Benzidine Sulfate, paste 350 lb bbls.....lb	..	.72	Suboxide, 5 lb lots.....lb	..	4.65
White, 550 lb bbls., NY....lb	..	.08				Subnitrate, USP, 250 lb bbls..lb	..	2.90
Asbestos, see Acid Acetylsalicylic						Second Hands, bbls. or less..lb	..	2.90
Aspirin, see Acid Acetylsalicylic						Cones, 1 lb bot.....lb	..	4.09
Atropine, Alk. USP, 1 oz. vial....oz	5.00	5.57	Benzol, see Benzene			Subsalicylate, USP, 175 bbls..lb	..	3.10
Sulfate, 5 oz. cans.....oz	..	2.75	Benzonaphthol, 5 lb boxes.....lb	3.50	3.60	Tannate, 1 lb bot.....lb	..	2.60
Single ounce.....oz	..	2.92	Benzyl Chloride, 500 lb drs....lb	..	1.00	above on basis 25 lb lots		
BARIUM BINOXIDE, see Barium dioxide			Benzyl Acetate, 100 lb chys....lb	1.55	1.75	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Alcohol, 5 lb bot.....lb	1.45	1.55			
Wks.....ton	66.00	68.00	Benzoate, 5 lb bot.....lb	1.60	1.75	Blanc Fixe, dry 400 lb bbls. wks.ton	75.00	80.00
Precip., 200 lb bbs., wks.....ton	66.00	68.00	Medicinal FFC.....lb	1.75	2.00	Imported, bbls.....ton	78.00	72.00
Imports, bbls., spot.....ton	62.00	63.00	Chloride, 95% tech. 925 lb drs..lb	..	.25	Paste, 650 lb bbls.....ton	50.00	55.00
Chloride, 800 lb bbls. wks.ton	90.00	95.00	100 lb chys.....lb	.25	.30	BLEACHING POWDER, 700 lb dra.		
200 lb bbs. wks.....ton	90.00	92.50	Redistil. 100 lb chys.....lb	.40	.45	c/l wks.....100 lb	..	1.90
Imports, bbls., spot.....ton	80.00	83.00	Formate, 1 lb bot.....lb	3.00	3.25	Drums 1c/l ex-warehouse.....100 lb	2.35	2.90
Dioxide, 88% 690 lb drs....lb	.17	.18	Berberine Hydrochloride, 1 lb bot..lb	..	22.50	Contract, c/l wks.....100 lb	1.90	2.15
Imports, 86-88% 400 lb drs..lb	..	.15	Sulfate, acid or neut. 1 lb bot..lb	..	22.00	Drums, 1c/l wks.....100 lb	2.05	2.30
Hydrate, 500 lb bbls.....lb	..	.05	BETA-NAPHTHOL, 350 lb bbls.wks..lb	..	.26	Imported, spot.....100 lb	..	
Iodide, 5 lb box.....lb	..	5.15	Carlots, wks.....lb	..	.24	Blue Ointment, see Mercury		
Nitrate, 700 lb cases.....lb	..	.10	Sublimed.....lb	.85	.60	Moss, see Mercury		
Import cases.....lb	..	.08 1/2	Beta-Naphthylamine, tech. 200 lb bbls.....lb	.65	.67	Bone Ash, 100 lb kegs.....lb	.06	.97
Sulfocyanide 400 lb bbls.....lb	..	.35	Sublimed, 200 lb bbls.....lb	..	1.80	Black, 200 lb bbls.....lb	..	.06
Barytes, floated 350 lb bbls wks.ton	24.00	26.00	Bichloride Mercury, see Mercury Bichloride			Borax, USP, crys. 400 lb bbls..lb	.05	.05 1/2
Imported.....ton	29.00	34.00	BISMUTH metal, 150 lb cases....lb	2.50	2.65	Powdered, USP, 300 lb bbls....lb	.05	.05 1/2
Bay Rum, Porto Rican, genuine			Second Hands.....lb	2.50	2.60	Kegs, USP, 100-150 lb.....lb	.05 1/2	.05 3/4
Medicated salicyl. acid or tartar emetic			Ammon. Citrate, USP 5 lb bbs..lb	..	5.85	Bordeaux Mixture, 10% pd. bbls..lb	.11 1/2	.18
45 gal. bbls.....gal	1.25	1.35	Betanaphtholate, 5 lb bbs.....lb	..	3.30	Paste, bbls.....lb	.08	.10
Medicated quinine sulf. 45 gal. bbls.	1.25	1.35	Citrate, USP 5 lb bbs.....lb	..	3.00	Borzeol. 1 lb bot.....lb	..	3.50
Domestic synthetic, 50 gal. bbls.	.90	1.00	Nitrate, 25 lb jars.....lb	..	2.00	Bromine, bot in 60 lb cs. wks..lb	..	.39
St. Thomas			Oxychloride, 250 bbls.....lb	..	3.50	Bromobenzene, 600 lb drums....lb	.40	.42
Medicated salicyl. acid or tartar emetic, 50 gal. bbls. gal	1.20	1.25	Phenolsulfonate, 5 lb cans....lb	..	3.30	Bromoform, USP 5 lb bot 60 lb cs..lb	..	1.65
Benzaldehyde, tech. 945 lb drs.			Salicylate, 250 bbls.....lb	..	1.95	Bruceine Sulfate, 100 oz.....oz	.15	.25
Wks.....lb	.75	.80	Subcarbonate, USP, 250 bbls..lb	..	3.40	Butter of Antimony, see Antimony Chloride		
USP, 40 lb. chys.....lb	1.50	1.60	X-Ray diag. 1 lb bot.....lb	..	5.93	CADMIUM, metal 100 lb bbs....lb	.95	1.00
FFC, 40 lb. chys.....lb	1.66	1.75	Subgallate, USP, 175 lb bbls..lb	..	2.80	Bromide, 50 lb cases jars....lb	..	1.20
BENZENE, 90% 8000 gal. tanks						Iodide, 10 lb bot.....lb	..	4.45
Wks.....gal	..	.23				Sulfide, cs.....lb	1.50	1.60
110 gal. drs. wks.....gal	..	.24						
Pure, Tanks, wks.....gal	..	.25						
110 gal. drs. wks.....gal	..	.30						

"Baker's Analyzed"



The reliable quality of Baker's Analyzed Chemicals and Acids has led to their adoption wherever the highest value is placed on scientific accuracy.

Hydrochloric Acid

In carboys, net weight 115 lbs.
In standard cases, 10 6-lb. bottles.

Sulphuric Acid

In carboys, net weight 180 lbs.
In standard cases, 10 9-lb. bottles.

Nitric Acid

In carboys, net weight 135 lbs.
In standard cases, 10 7-lb. bottles.

Ammonia

In carboys, net weight 85 lbs.
In standard cases, 10 4-lb. bottles.

J. T. BAKER CHEMICAL COMPANY

Phillipsburg, N. J.

New York Representative: H. B. PRIOR

17 East 42nd Street

Phone: Vanderbilt 9490

C. P. ACIDS and AMMONIA

Hydrochloric Acid, C. P.

HCl M. W. 36.46

Analysis

Sp. Gr.	1.18-1.19	Fe.....	.0002%
HCl.....	35.4-37.5%	As.....	Trace
SO ₂	None	N. V. M. ....	.002%
Cl.....	None		

Lot No. 12324

"Baker's Analyzed Chemicals"

Made in U.S.A. by

Baker Chemical Company

Phillipsburg, N.J.

Immediate truck deliveries from warehouse stocks in Birmingham, Ala., Boston, Buffalo, Chicago, Cincinnati, O., New York City, Philadelphia.
In 10 gallon carboys and in 3/4 gallon bottles packed 10 bottles to standard case.



DIETHYL SULPHATE

*The Most Satisfactory General
Ethylating Agent*

Acetaldehyde
Acetaldol
Diethyl Sulphate
Ethylene Chlorhydrin
Ethylene Dichloride
Ethylene Glycol
Ethylene Oxide
Glycol Diacetate
Isopropanol
(Isopropyl Alcohol)
Paraldehyde

No Autoclaves Necessary

Non Volatile

Non Toxic

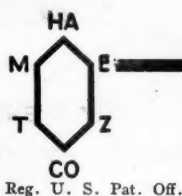
Non Inflammable

Non Corrosive

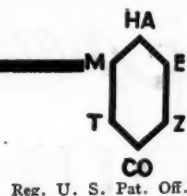
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CARBIDE AND CARBON BUILDING, 30 EAST FORTY-SECOND STREET, NEW YORK
Telephone Vanderbilt 8700



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manufactured by

Consolidated Color & Chemical Co.
Central Dyestuff & Chemical Co.
Williamsburg Chemical Co.

and other American manufacturers

H. AMETZ & CO. Inc.
One Twenty-Two Hudson Street, New York City.

Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPOR, Amer. ref: 250 lb			Chalk, drop 175 lb bbls.....D	...	: .03%
Second Hands.....D	3.45	: 3.50	bbls.....D	...	: .88	Precip. light 250 lb cans....D	...	: .04%
Hydrochloride, 1 lb bot.....D	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs.....D	...	: .89%	Precip. heavy 560 lb cans....D	...	: .03%
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D	...	: .89%	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....D	2.90	: 3.10	1 cs. tab., 1 lb ctms.....D	...	: .93%	Precip. English, 7 lb bags.....D	...	: .07%
Hydrobromide, 1 lb bot.....D	4.65	: 4.90	100 lb cs.....D	...	: .94	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/4 cs. tab., 1 lb ctms.....D	...	: .94	Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb.....D	...	: 3.00	100 lb cs.....D	...	: .94	Willow, powd. 100 lb bbls....D	.06	: .07
Arsenate, 100 lb bbls. c/l wks..D	.10	: .14	Jap. ref., 2 1/2 lb slabs. 100 lb			China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D	...	: .60	cs.....D	.72	: .73	Washed & Ground.....ton	10.00	: 20.00
Carbide, 220 lb dr. c/l wks..D	...	: .04%	1 cs. tab., 100 lb cs. 1 lb			Imp., Filler Clay.....ton	16.00	: 18.00
Drums, lc/l wks.....D	...	: .05	tins.....D	...	: .92	Coating.....ton	20.00	: 40.00
Carbonate, tech. 100 lb bags			1/4 cs. tab., 100 lb cs. 1 lb			Chloral Hydrate, USP 100 lb drs..D	.75	: .80
c/l.....100 lb	1.00	: 1.10	tins.....D	...	: .93	25 lb jars.....D	.83	: .85
USP, precip. 175 lb bbls....D	...	: .04	Chlorose ref. 2 1/2 lb slabs 100 lb			Chinoidin, 140 lb drs.....D	...	: .55
Chloride, solid, 650 lb drs. c/l			cs.....D	...	: .58	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
f.e.h. NY.....ton	...	: 24.50	Crude, 100 lb cs.....D	...	: .60	Chlorocane, 5 lb bot.....D	.55	: .75
Imp. shipment.....ton	21.00	: 24.00	Campor, Monobrom, 100 lb cs..D	1.75	: 1.85	Chlorhydrin, Ethylene anhyd. 600 lb		
Gran., 350 lb drs. c/l f.e.h.			Caramel, 50 gal. bbls.....gal	.60	: .70	drs.....D	.75	: .85
NY.....ton	...	: 30.50	Carbazol, 250 lb bbls.....D	...	: .50	40% soln. 100 lb cys.....D	.35	: .30
Flake 350 lb drs. c/l f.e.h.			Carbon Bisulfide, 500 lb drs. lc/l NY			CHLORINE, Liquid 2000 lb cyl		
NY.....ton	...	: 30.50	c/l drums, NY.....D	...	: .06	c/l wks.....D	...	: .04%
Anhyd., 350 lb drs. f.e.h. NY..D	.13	: .20	Carbon Black, 12 1/2 lb bags....D	.12	: .15	Tank car lots, wks. Contract..D	...	: .04%
Glycerophosphate, 250 lb bbls..D	1.50	: 1.60	Carbon Dioxide, Liquid, 20-25 cyl.			100 lb cyl. c/l.....D	...	: .05%
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.			100 lb cyl. lc/l wks.....D	.04%	: .07%
Hypophosphite, USP, 25 lb cans	.60	: .65	NY.....D	.07%	: .08	100 lb cyl. lc/l ex-warehouse..D	.08	: .09
Iodide, 5 lb bot.....D	...	: 4.40	Drums, c/l NY.....D	.07	: .07%	Chlorobenzene, mono. 1000 lb drs.		
Lactate, tech. 500 lb bbls....D	...	: .13%	700 lb drs. single NY.....D	.07%	: .08	wks.....D	.10	: .11
U.S.P.....D	.50	: .60	Carmine, No. 40 5 lb boxes....D	4.75	: 4.85	Dr. c/l wks.....D	.08	: .08%
Nitrate, 220 lb bbls, c/l NY..ton	...	: 40.00	Casein, edib., 100 lb keg.....D	...	: .45	Tank car lots wks.....D	...	: .08
Phosphate, tech. 350 lb bbls..D	.09	: .10	Technical, 200 lb bbls.....D	.10%	: .11%	CHLOROFORM, USP 50 lb drs..D	...	: .35
Phosphate, precip. tribasic 300			Castoreum, 1 lb boxes.....D	4.00	: 4.50	Second Hands, 650 lb drs....D	.32	: .33
lb bbls, wks.....D	.11	: .14	Castor Oil, USP 50 gal. bbls....D	...	: .16	Technical, 650 lb drums.....D	.32	: .33
Phosphate, mono, 325 lb bbls..D	.07	: .08	Casein, 80 lb 2 tins.....D	...	: .17	Chlorophyll, Oil Sol.....D	2.50	: 2.75
Sulfocarbamate, 100 lb bags....D	.55	: .57	Tech. see Fixed Oils			Water Sol.....D	3.75	: 4.00
Calomel, see Mercury			Caustic Potash, see potash, caustic			Chromium Acetate, 20° soln. 400 lb		
			Soda, see soda, caustic			bbls.....D	.07	: .08
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Fluoride, Powd. 400 lb bbls....D	...	: .30
			Cerium Oxalate, USP 100 lb kegs..D	.35	: .38	Soln. 400 lb bbls.....D	...	: .40
						Chrysarobin, USP, 5 lb cans....D	4.00	: 4.20
						Cinchonidin alk. powd. 100 oz. tins	...	: .60
						Crystal.....cs	...	: .85
						Sulfate, 100oz. tins.....oz	...	: 40

Mallinckrodt

QUININE

Sulphate and Other Salts

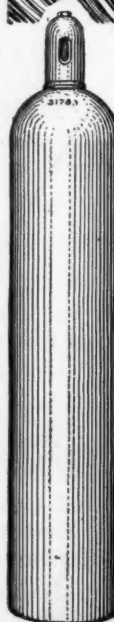
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EFFICIENCY AND ECONOMY BLENDED

Waste is the bugbear of every manufacturing plant.

The elimination of waste is sometimes the difference between profit and loss.

In most processes the use of Chloride of Lime means waste in the form of deterioration of the chemical, or sludge losses which run as high as 25 per cent.

Where LIQUID CHLORINE has replaced Chloride of Lime the loss from deterioration is entirely eliminated, and when made into hypochlorite or leach liquor, the sludge losses are insignificant.

LIQUID CHLORINE IS THE 100 PER CENT CHEMICAL!

The least you can do is to know the truth and learn the remedy. We are in a position to tell you both.

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PIONEER MANUFACTURERS OF LIQUID CHLORINE
Plant: NIAGARA FALLS, N.Y.
Main Office: 9 E. 41st Street, New York

Liquid Chlorine

Chemicals

Cloehone alk., pvd. 100oz. times	...	.38
Crystal	...	.43
Sulfate, 100 oz. times	...	.25
Citrine Ointment, see Mercury		
Coal Tar, Tka. & bbls., wks...gal	.06	.08
Cobalt metal, 100lb kegs	...	3.00
Cobalt Oxide, 500lb bbls.	...	2.10
10lb tins, 200lb cases	...	2.45
COCAINE alk., USP, 1 oz. vial.	...	10.00
Hydrochloride, USP—1 oz. vial,		
25 oz.	...	7.07
In 1/4 oz. vial.	...	7.50
In crystals, granular, powder,		
or flaky crystals as desired.		
Cocoa Butter, bulk, 200lb bales.	.26	.26 1/2
Fingers, cakes, etc. 12lb bxs.	.32	.34
CODEINE alk., 1 oz. vial. 10 oz.	...	0.27
lots	...	
Hydrobromide, 1 oz. vial. 10 oz.	...	7.42
lots	...	
Hydrochloride, 1 oz. vial. 10 oz.	...	8.27
lots	...	
Nitrate, 1 oz. vial. 10 oz. lots.	...	8.27
Phosphate, 1 oz. vial. 10 oz.	...	
lots	...	6.97
Salicylate, 1 oz. vial. 10 oz.	...	6.97
lots	...	
Sulfate, 1 oz. vial. 10 oz. lots.	...	7.42
Small Sizes, 1/4 oz. vials, 50c extra,		
1/2 oz. 30c extra, singles 7c extra		
per oz.—25 oz. lots, 10c oz. cheaper		
than above. Less than 10 ozs. 15c oz.		
higher than above.		
COD LIVER OIL, Norwegian, 30 gal.	...	
bbls.	21.00	22.00
Newfoundland, 30 gal. bbls.	...	
bbl	...	
Colchicine alk., USP 1 oz. vial.	...	15.07
Salicylate, 1 oz. vial.	...	15.07
Colodion USP 30 lb drums.	...	.22

COPPER metal electrolyte c/l		
NY	12.50	12.62
Lake, c/l NY.	12.62	12.75
Castling, c/l NY.	...	12.25
Carbonate, 400 lb bbls.	16 1/2	.17
Chloride, 250 lb bbls.	...	.28
Cyanide, 100 lb drs.	.45	.46
Iodide, 5 lb bot.	...	5.65
Oxide, red 16-60 lb bbls. ton lots	16 1/2	.17
Sub-Acetate, verd. 440 lb bbls.	.23	.28
SULFATE, crys. 450 lb bbls. 1c/l		
spot	4.75	4.90
Carlots, bbls. f.o.b. NY. 100 lb	4.60	4.70
Carlots, bbls. delivered. 100 lb	4.90	5.30
Imp. 550 lb cks spot.	4.27	4.75
Powdered, 350 lb 5 bbls.	...	5.75
Copperas, bulk c/l wks.	...	16.60
200 lb bgs, c/l wks.	...	18.00
400 lb bbls. c/l wks.	...	20.00
Powdered, bbls.	1.90	2.00
Sugar, 400 lb bbls.	1.25	1.35
Corn Syrup, 42 deg. 50 gal.	...	3.66
bbls.	...	3.71
43 deg. 50 gal. bbls.	...	3.78
44 deg. 50 gal. bbls.	...	3.78
45 deg. 50 gal. bbls.	...	3.85
Corn Sugar, see Glucose		
Corrosive Sublimate, see Mercury Bichloride		
Cotton Soluble, 100 lb bbls. wet.	.40	.42
Coumarin, 25 lb tins	3.40	3.65
Second Hands	3.40	3.50
CREAM TARTAR, USP 300 lb		
bbls.	.21 1/4	.21 1/2
Imp. powd. USP, 224 bbls.	.26 1/2	.29 1/2
Creosote, USP, 42 lb cbs.	.42	.45
Carbonate, 1 lb bot. 25 lb	1.70	1.80
Creosote oil, 50 gal. drs.	.26	.30
Cresol, USP, 400 lb drums.	.22	.23
Cyanamide, bulk c/l wks. Amm. unit	1.90	2.00
DIAMINOPHENOL, 160 lb kegs.	...	3.80
Dianthione, 100 lb kegs.	4.00	4.50
Dichlorobenzene, 1000 lb drs.	.06	.07
Diethylamine, 850 lb drs.	.58	.65
Diethyl Phthalate, 25 lb cans	.50	.55
1000 lb drs.	.40	.45

Diethyl Sulfate tech. 50 gal. drs.	.30	.35
CP drums	.40	.50
Digitalin. Pure, 1 oz. vial.	9.75	10.25
Dimethylaniline, 840 lb drs. wks.	.35 1/2	.37
Dimethylsulfate, 100 lb drs.	...	.54
Dinitrobenzene, 400 lb bbls.	.16	.17
Dinitrochlorobenzene, 400 lb bbls.	.18	.19
Dinitronaphthalene, 350 lb bbls.	.32	.34
Dinitrophenol, 350 lb bbls.	...	.40
Dinitrotoluene, 300 lb bbls.	.18	.19
Dionin, see Morphine, Ethyl		
Diphenylamine, 250 lb bbls.	.48	.50
Diphenylguanidine, 170 lb bbls.	1.10	1.15
Dover's Powder, USP 5 lb tins.	2.20	2.30
Duboisine Sulfate, 1 oz. vial.	...	30.07
EARTH, Diatomaceous. see Kieselguhr		
Emetine alk., 15 gr. vial.	17.00	17.50
Hydchlide, USP 1 oz. vial.	...	.75
15 gr. vials.	...	
EPSOM SALT, tech. 300 lb bbls.		
NY	...	2.15
Bbls. c/l NY.	...	2.00
100 lb bgs., c/l NY.	...	1.75
Imp. NY	...	1.40
USP, 300 lb bbls. 10 bbls.	...	2.50
Carlots, bbls.	2.10	2.15
Imported, 400 lb bbls.	...	2.00
100 lb kegs	...	2.25
Ergotin, Bonjean, 1 lb jars.	6.00	6.35
Eserine alk., 1 oz. vial.	...	24.07
Salicylate, USP 1 oz. vial.	...	16.07
Sulfate, USP VIII, 1 oz. vial.	...	11.07
ETHER, USP 55 lb drums.	...	.13
Anaesthesia, 55 lb drums.	...	.16
USP, 1880 55 lb drums.	...	.40
Waahed, 55 lb drums.	...	.82
Motor, 1 lb cans	.24	.27
Ether, Nitrom, 1 lb bot.	.92	.95
Ethyl Benzyl Aniline, 300 lb drs.	...	1.35



Baker & Adamson Reagent Chemicals

Standard Quality

Manufactured in Easton, Pa., since 1884

GENERAL CHEMICAL COMPANY

40 Rector Street, New York

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The Nichols Chemical Co., Ltd, Montreal

Cable Address: Lyourgus, N. Y.

Chemicals

Ethyl Acetate, 99%, 50 gal. drs. gal	1.15	: 1.18	Gelatin, USP silver lbl. 100 lb. ca. lb	.78	: .82	Hydrastinine Hydrochloride, USP 15 gr.	...	: 1.60
85% Ester, 100 gal. drs. gal	...	: .95	Gold Label, 100 lb. cases.... lb	...	: .65	vials..... vial	...	: .10
Carlots, drums..... gal	...	: .92	Technical, 100 lb. ca. lb	.60	: .65	Hydrobenzene 100 lb. kegs..... lb	...	: .38
Tanks Cars..... gal	...	: .90	CLAUSEN'S SALT, tech. 300 lb. bags	...	: 1.25	HYDROGEN PEROXIDE, 25 vol. 400 lb	...	: .05
Refined, drums..... gal	1.77	: 1.90	le/l wks..... 100 lb	1.15	: 1.25	bbis..... lb	...	: .48
Bromide 115 lb. drs..... lb	...	: .40	350 lb. bbis. c/l wks..... 100 lb	1.20	: 1.30	100 vol. 145 lb. chys..... lb	...	: 8.00
Chloride, 15 lb. cyl..... lb	...	: .35	Bbis. le/l wks..... 100 lb	1.30	: 1.65	USP Soln. 375 lb. bbis..... lb	...	: 11.75
Methyl Ketone, 50 gal. drums. lb	.25	: .25%	Imported, bbis., spot..... 100 lb	.90	: .95	100 vol. 145 lb. chys..... lb	...	: 19.75
Morphine, see Morphine, Ethyl	...	: .60	USP, 300 lb. bbis. imp. sp..... 100 lb	...	: 1.25	USP bot. 4 oz. cases..... gross	...	: 1.40
Ethylene Bromide, 600 lb. drs..... lb	...	: .65	USP, 300 lb. bbis. dom. sp. 100 lb	...	: 1.75	Bot. 8 oz. cases..... gross	...	: 8.00
Glycol..... lb	...	: .75	USP, 300 lb. bbis. c/l wks. 100 lb	...	: 1.40	Bot. 16 oz. cases..... gross	...	: 12.00
Chlorhydrin, anhyd. 50 gal. drs. lb	...	: .35	Calcined, see Sodium Sulfate	...	: 1.40	Hydroquinone, 100 lb. kegs..... lb	...	: 20.00
40% Solution, 50 gal. bbis. lb	...	: .30	Glucose, (Grape Sugar) dry, 100	...	: 3.69	Hyosine Hydrobrom. USP 1 oz.	...	: 9.57
Dichloride, 30 gal. drs..... lb	...	: .35	70° bags, c/l NY..... 100 lb	3.69	: 3.71	vial..... oz	...	: 9.00
Ethylideneaniline..... lb	...	: .70	Syrup, Drs. & bbis. c/l NY 100 lb	3.46	: 3.81	Five oz., 1 oz. vials..... oz	...	: 20.07
Eucalyptol, 25 lb. cans..... lb	.77%	: .80	le/l NY..... 100 lb	3.56	: 3.81	Alkaloid, Amorphous, 1 oz. vials. oz	...	: 75.07
Feldspar, bulk..... ton	20.00	: 25.00	GLUE, pure white, bbis..... lb	.22	: .26	Hydrobromide, USP 1 oz. vial. oz	...	: 25.07
FERRIC CHLORIDE, tech. crys.	...	: .07	Medium white, bbis..... lb	.20	: .24	Sulfate, 1 oz. vial..... oz	...	: 20.07
475 lb. bbis. lb	...	: .06%	French, bbis. lb	.18	: .25	USP, 1 oz. bot..... oz	...	: 6.00
Imported..... lb	...	: .08	High Grade, bbis. lb	.35	: .40	Iodide, see Potass. Iodide, etc.	...	: 3.79
USP, crys. 100 lb. kegs..... lb	...	: .07%	Bone, regular, bbis. lb	.10	: .12	IODINE, crude, 200 lb. kegs..... lb	...	: 4.40
Neut. Sol'n 40° 140 lb. chys. lb	...	: .08	Flat, bbis. gal	1.50	: 1.75	Resublimed, 10 lb. jars..... lb	...	: 4.00
48° 140 chys. lb	...	: .05%	GLYCERIN, C. P. 550 lb. drums. lb	.16%	: .17	Tincture, USP, 50 gal. bbis. gal	...	: 4.25
USP Sol'n 125 lb. chys. lb	...	: .06	Cans, 50 lb. lb	.18	: .18%	Carboys..... lb	...	: 4.50
Ferrous Chloride, crys. tech.	...	: .06	Dynamite, 100 lb. drs..... lb	.16	: .16%	Iodoform, powd. 10 lb. bot..... lb	...	: 5.25
475 lb. bbis. lb	...	: .06	Saponification, tanks..... lb	.11%	: .12	Crystals, 10 lb. bot..... lb	...	: 6.25
Ferrous Sulfate, 1000 lb. bbis. 100 lb	2.50	: 3.00	Soap, Lye tanks..... lb	.10%	: .11	Iridium, metal 10 oz. lots..... oz	...	: 250.00
Flake White, see lead, white	...	: 25.00	Gos Powder, see chrysarobin	15.00	: 35.00	Iron, metal by hydrogen 1 lb. bot. lb	...	: 1.00
Fluor spar, 95% 220 lb. bgs. ex-	...	: 33.50	Graphite, crude 220 lb. bags..... ton	.05	: .09	IRON & AMM. CITRATE, USP 25 lb	...	: .79
dock..... ton	...	: 35.00	Flake, 500 lb. bbis..... lb	.04	: .05	cans..... lb	...	: .79
96% bgs. ton	...	: 33.50	Ground, lump, bbis..... lb	2.35	: 2.45	Green scales, 25 lb. cans..... lb	...	: 6.50
98% bgs. ton	...	: 35.00	Gualacol liquid, USP, 25 lb. cans. lb	...	: 18.00	Cacodylate, 10 lb. bot..... lb	...	: 1.01
FORMALDEHYDE, USP 400 lb. bbis.	...	: .09	Benzonate, 1 lb. bot..... lb	4.00	: 4.75	Citrate, USP VIII 25 lb. cans. lb	...	: 1.50
c/l wks..... lb	...	: .10%	Carbonate, 5 lb. boxes..... lb	3.60	: 3.75	Chloride, see ferrie or ferrous	...	: 1.60
Carboys, 100 lb. le/l wks..... lb	...	: .09%	Second Hands..... lb	...	: 3.50	Hypophosphite, 5 lb. cans..... lb	...	: .30
Bbis., 400 lb. le/l wks..... lb	...	: .10	HAARLEM OIL, Dom. 6 gr. oz. gross	4.50	: 4.70	Syrup, USP VIII..... lb	...	: .25
Second Hands..... lb	...	: .04	Imported, 5 gr. cases..... gross	2.75	: 3.25	Iodide, 1 lb. bot..... lb	...	: .09
Fossil Flour..... lb	...	: .50	Halazone, 5 lb. bot..... lb	...	: .75	Syrup, USP, 5 lb. bot..... lb	...	: 2.75
Formalin..... lb	...	: 15.00	Hexamethylenetetramine, USP	...	: .65	Nitrate, kegs..... lb	...	: .85
Fuller's Earth, 200 lb. bgs. c/l	...	: 35.00	100 lb. drums..... lb	.75	: .77%	Com'l, bbis. 100 lb	...	: .08%
mines..... ton	15.00	: 17.00	Imported..... lb	.65	: .67	Oxalate scales 25 lb. cans..... lb	...	: .42
Imported, 200 lb. bags NY..... ton	35.00	: 40.00	Rubber Makers, Impalp. Pd.	...	: .82%	& Ammon. Oxalate 25 lb. bms. lb	...	: .45
Purifical, 300 lb. bbis..... lb	...	: .25	dra..... lb	...	: 14.57	& Potassium Oxalate, 25 lb. bms. lb	...	: .41
Purifical, 300 lb. bbis..... lb	...	: 2.75	Homatropine Hydrobrom. USP 1 oz.	...	: 14.57	& Sodium Oxalate, 25 lb. bms. lb	...	: .79
Fusel Oil, refined, 50 gal. drs. gal	1.85	: 2.00	vial..... oz	...	: 14.57	Phosphate, USP 25 lb. cans..... lb	...	: .86
Crude, 50 gal. drum..... gal	...	: .60	Five oz., 1 oz. vials..... oz	...	: 14.57	Pyrophosphate, USP 25 lb	...	: .86
G SALT, paste 350 lb. bbis. bards	...	: .65	Hydrastine Alk., USP, 1 oz. vial. oz	...	: 14.57	cans..... lb	...	: .86
100%..... lb	...	: .65	Hydrochloride, USP, 1 oz. vial..... oz	...	: 14.57			
			Sulfate, 1 oz. vial..... oz	...	: 16.07			

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Chemicals

JALAP RESIN, lump 5 lb tins...lb	8.25	: 3.35	Linalool, 5 lb bot.....lb	6.25	: 6.75	Manganese—(continued)		
Powd. tins.....lb	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....lb	...	: 3.10
Kapoc, 200 lb double bales....lb	.24	: .26	Lithium Carb. USP, 100 lb kgs..lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans..lb	...	: 1.40
KIESELGUHR, 95 lb bags NY...ton	60.00	: 70.00	Bromide, 100 lb cs.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	...	: 6.65
LEAD, metal c/l NY.....100 lb	6.95	: 7.00	Citrate, USP, 100 lb kgs....lb	1.70	: 1.75	Ore, bulk, NY.....unit	.40	: .45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....lb	...	: 7.50	Sulfate, 600 lb casks NY....lb	...	: .00
bbis. wks.....lb	...	: .14%	Lithopone, 400 lb bbis, lc/l wks..lb	...	: .07	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb kgs. wks..lb	...	: .15	Bbis. c/l wks.....lb	...	: .08%	See also Calcium Carbonate		
White, broken, bbis, wks.100 lb	...	: 13.90	Bags, c/l wks.....lb	...	: .08%	Menthyl, USP, 60 lb cases....lb	...	: 11.25
White, gran., bbis, wks.100 lb	...	: 14.15	Imported, 400 lb bbis.....lb	.05%	: .06	Less cases, 5 lb tins....lb	...	: 11.75
White, powd., bbis, wks.100 lb	...	: 15.25	Litmus Cubes.....lb	.90	: 1.00	Domestic, USP, 60 lb cases....lb	11.00	: 11.25
Keps, wks.....lb	...	: .15%	MAGNESITE, crude.....ton	...	: 15.00	MERCURY, metal 75 lb flask..flask	73.00	: 74.50
Brown, broken, bbis, wks..lb	...	: .13%	Calcined, 500 lb bbis.....ton	...	: 55.00	Less Flasks, 5 lb jugs....lb	...	: 1.10
USP, 100 lb kgs.....lb	...	: .16%	Magnesium mtl., sticks 100 lb cs..lb	1.55	: 1.80	Bichloride, cryst. 25 lb bxs...lb	...	: 1.13
Arsenate, 100 lb bbis lc/l wks..lb	.31	: .26	Carb. tech. 70 lb bags NY...lb	.08	: .03 1/2	Gran. powd., 200 lb kgs..lb	...	: .98
Bbis. c/l wks.....lb	.19	: .20	75 lb bbis, NY.....lb	.09 1/2	: .10 1/2	Bisulfate, 25 lb boxes.....lb	...	: .98
Paste, 100 & 600 lb bbis..lb	.10	: .15	USP, 60 lb bbis.....lb	.12	: .14	Blue Mass, 25 lb boxes.....lb	...	: .66
Iodide, USP VIII 5 lb bot....lb	3.20	: 3.40	USP, blocks 100 lb ca. 1, 2, 4	...	: .19	Powdered, 25 lb boxes.....lb	...	: .68
Nitrate, 500 lb bbis, wks....lb	...	: .12	ons.....lb	...	: .23	Blue Ointment, USP 25 lb cans	...	: .81
Oxide, lithge, 500 lb bbis....lb	...	: .10	Chloride, fused 575 lb drs. c/l	...	: 34.00	50%.....lb	...	: .81
100 lb kgs, wks.....lb	...	: .11 1/2	wks.....ton	...	: 36.00	USP, dilute 25 lb cans 30%..lb	...	: .61
Oxide, red 500 lb bbis, wks..lb	...	: .10	Flaked, 350 lb drs. wks c/l ton	...	: 36.00	83 1/2% Mercury.....lb	...	: .69
100 lb kgs, wks.....lb	...	: .09%	Imp., fused 900 lb bbis NY.ton	26.00	: 28.00	Calomel, 50 lb bxs.....lb	...	: 1.22
Peroxide, 100 lb drs.....lb	.25	: .30	Fluocillate, crystals 400 lb bbis	...	: .12	Citrine Ointment 25 lb jars..lb	...	: .51
White, basic carb. 500 lb bbis	...	: .09 1/2	wks.....lb	...	: .15	Iodide, green 25 lb jars....lb	...	: 4.10
bbis. c/l wks.....lb	...	: .09 1/2	30% soln. 500 lb bbis. wks..lb	.07	: .07 1/2	Red, USP 25 lb jars.....lb	...	: 4.20
100 lb kgs wks.....lb	...	: .14%	Soln. bbis. c/l wks.....lb	...	: .06	Yellow, USP VIII 25 lb jars..lb	...	: 4.10
White, sulfate 500 lb bbis, wks	...	: .08%	Glycerophosphate, 5 lb tins....lb	...	: 3.40	Oxide, Yellow, USP, 25 lb. bxs..lb	...	: 1.68
Bbis. c/l wks.....lb	...	: .08%	Hypophosphite, 5 lb cans....lb	...	: 1.05	Red Precip. USP, 25 lb bxs...lb	...	: 1.34
Licorice Ext. Mass, cases....lb	.25	: .26	Oxide, USP light 100 lb bbis..lb	...	: .42	Powder, USP 25 lb bxs.....lb	...	: 1.48
Compound powder, bbis.....lb	.11	: .13	USP, heavy 250 lb bbis....lb	...	: .50	White Precip. USP 25 lb bxs..lb	...	: 1.34
Powdered.....lb	.38	: .40	Peroxide, 5 lb cans.....lb	...	: 2.40	Powdered, USP 25 lb bxs....lb	...	: 1.39
Sticks, 1 oz. 100 lb cases....lb	.45	: .50	Perborate, 1 lb tins.....lb	...	: 2.62	With chalk, USP 25 lb bxs....lb	...	: .66
LIME (Salts, see Calcium Salts)			Salicylate, 100 lb kgs.....lb	.70	: .75	Meta-Nitraniline.....lb	.78	: .80
Live, 325 lb bbis. ton lots, wks..lb	...	: .01%	Sulfate, see Epsom Salts			Meta-Nitro-para-Toluidine, 300 lb	...	: 2.20
Single bbl. wks.....lb	...	: .01%	Manganese Chloride, 600 lb csk.	...	: .09 1/2	bbis.....lb	...	: .90
Hydrated, 167 lb bbl, ton lots,	...	: .01%	NY.....lb	...	: .10	Meta-Phenylenediamine, 500 lb	...	: .95
wks.....lb	...	: .01%	Borate, 30%, 200 lb bbis....lb	...	: .24	bbis.....lb	...	: .82
Single bbl. wks.....lb	...	: .01%	100 lb kgs.....lb	...	: .35	Meta-Toluylenediamine, 300 lb	...	: .85
Oyster Shell, 150 lb bbl. single..lb	...	: .03 1/2	Dioxide, 80-84% 900 lb bbis.	...	: 80.00	bbis.....lb	...	: .82
125 lb bag.....lb	...	: .03 1/2	NY.....ton	80.00	: 85.00			
Sulfur, dry 200 lb drs. NY...lb	...	: .08 1/2	85-90%, 900 lb bbis. NY.ton	85.00	: 90.00			
Drs. c/l NY.....lb	...	: .08	Hydrated, precip. 100 lb kgs..lb	.15	: .20			
33° Soln. 50 gal. bbis, NY.gal	.15	: .16						

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METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb cans.... lb			15.00	16.00	Ortho-Toluidine, 350 lb bbls.... lb			.13	.15
95%, tanks	gal	.73	NAPHTHA, Solvent, 110 gal. dra.			.30	.31	Oxgall, USP, 5 lb bot.... lb			3.00	3.00
Drums, c/l	gal	.75	wks.			.25	.26	Purified, 5 lb bot.... lb			1.50	2.50
Drums, 1c/l	gal	.77	8000 gal. tank cars wks. gal			.05	.06	Crude, 5 lb bot.... lb			.80	1.25
97% tanks	gal	.74	NAPHTHALENE, Flaks, 175 lb bbls.					PALLADIUM, metal 10 oz. lots. oz			75.00	76.00
Drums, c/l	gal	.77	wks.			.05	.06	Pancreatin, USP 5 lb bot.... lb			1.25	1.40
Drums, 1c/l	gal	.79	Bbls. c/l wks.			.05	.06	Papain, 10 lb bot. USP, Powd.... lb			2.15	2.25
Pure, Acetone free, tks.	gal	.80	Bbls., second hands NY.... lb			.05	.06	Crude, 150 lb cases.... lb			1.80	1.85
Drums, c/l	gal	.82	Balls, 250 lb bbls. wks.... lb			.05	.07	Paraffin, ref'd 300 lb. ca. slabs				
Drums, 1c/l	gal	.85	Bbls., c/l wks.			.05	.07	123-127 Deg. M. P.... lb			.05	.08
whs incl 5c higher			Bbls., second hands NY.... lb			.05	.07	128-132 Deg. M. P.... lb			.05	.08
Methyl Acetone, 100 gal. drums. gal	.75	.80	Crushed, chipped, bgs., wks.... lb			.05	.05	133-137 Deg. M. P.... lb			.05	.07
Tanks, cars	gal	.70	Crude, imp., bags.... lb			.02	.03	138-140 Deg. M. P.... lb			.07	.07
Chloride, 90 lb cyl.... lb	.50		Nickel Metal, electrolytic 100 lb					Para-Aminocetanilid, 100 lb				
Salicylate, USP, 50 lb cases.... lb	.47		bags			.29	.32	kegs			1.10	1.15
550 lb drums	lb	.45	Ingot, 100 lb kegs.... lb			.11	.12	Para-Aminophenol, 100 lb kegs.... lb			1.15	1.25
Second Hands, cases.... lb	.44	.45	Salt, single 400 lb bbls. NY.... lb			.10	.11	Hydrochloride, 100 lb keg.... lb			1.35	1.40
Methylene Blue, tech. 100 lb kgs. lb	1.25	1.50	Double, 400 lb bbls. NY.... lb			.40	.42	Para-Dichlorobenzene, 150 lb bbls.				
USP, medicinal 5 lb cases.... lb	2.00	2.30	Oxide, 100 lb kegs NY.... lb			.05	.07	wks.			.17	.20
Michler's Ketone, 225 lb bbls.... lb	3.75		Sulfate, 450 lb bbls.... lb			1.35	1.90	25-50 lb kegs			.18	.22
Milk, powd. 150 lb bbls.... lb	.14	.15	Nicotine, Free 40%, 8 lb tins.... lb			1.10	1.35	Paraldehyde, 100 gal. dra.... lb				.48
Milk Sugar, see sugar of milk			Sulfate, 10 lb tins, 40%.... lb			5.50	6.00	Paraformaldehyde, USP 100 lb ca. lb			.42	.45
Mineral Oil, see oil mineral			Nitric Cals, bulk wks.... ton			13.00	14.00	Para-Nitroacetanilid, 300 lb				
Mononacetic, 100 gal. drums.... lb	.50		500 lb bbls.			.09	.09	bbls.			.55	.60
Monochlorobenzene, see chlorobenzene			Nitrobenzene, crude, 1000 lb dra.			.09	.10	bbls.			.68	.73
Monothylamine, 900 lb dra.... lb	1.25	1.50	Redistilled, 1000 lb dra. wks. lb			.20	.21	wks. ton			.39	.39
Monothyl paraamidophenyl sulfate			Nitronaphthalene, 550 lb bbls.... lb			.14	.15	Para-Nitrochlorobenzene, 1200 lb dra.				
100 lb dra.... lb	3.95	4.20	Nitrotoluene, mixed 1000 lb dra.			.03	.03	wks.			3.75	3.85
MORPHINE Sulfate, USP 5 oz. tins			Ochre			1.00	1.25	Para-Nitro-ortho-Toluidine, 300 lb				
10 oz. tins	6.95		Oil Fuel, see Fuel Oil					bbls.			.70	.75
Acetate, 5 oz. tins 10 oz. lots. oz	6.95		OIL MINERAL, wh. 50 gal. bbls. gal					Para-Nitrophenol, 155 lb bbls.... lb				
Hydrobromide, 5 oz. tins 10 oz. lots	6.95		Oil Mirbane, see nitrobenzene					bbls.			.95	.95
Hydchloride, 5 oz. tins 10 oz. lots	6.95		Optum, see crude drugs					Para-Nitrodimethylaniline, 120 lb				
Diacetyl Alk., 1/4 oz. vials. 10 oz.	10.75		Orange Mineral, 300 lb cases NY. lb			.14	.14	bbls.			.47	
Hydchloride, 1/4 oz. vials. 10 oz. ca.	9.75		500 lb bbls. NY			2.40	2.50	Para-Nitrotoluene, 350 lb bbls.... lb			1.50	1.60
Ethyl Hydchloride, 1/4 oz. vials. 10 oz.	10.95		Ortho-Aminophenol, 50 lb kegs.... lb			.06	.08	kegs			1.55	1.60
Small sizes: 1/4 oz. vials. 50c extra; 1/4 & 25c extra; single oz. vials, 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins. 10c. or lower than above schedule. Less than 10 oz. lots 15c. or higher than above schedule.			Ortho-Anilidine, 100 lb dra.... lb			.35	.40	Para-Phenylenediamine, 350 lb			.40	.41
			Ortho-Dichlorobenzene, 1000 lb dra.			.10	.11	bbls.				
			Ortho-Nitrochlorobenzene, 1200 lb					Para-Toluene-Sulfonamide, 175 lb				
			dra. wks.					bbls.				
			Ortho-Nitrophenol, 350 lb 3 bbls. lb					Para-Toluene-Sulfonchloride, 410 lb				
			Ortho-Nitrotoluene, 1000 lb dra.					bbls. wks.				
			wks.					bbls.				



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Chemicals

PARIS GREEN

Arsenic Basis, 500 lb kegs...	.25	: .30
Kegs, 100 lbs...	.32	: .33
Kiss, 56, 25, 14 lbs...	.34	: .35
Packages, 5 and 2 lbs...	.36	: .37
Packages, 1 lb, 1/2, 1/4 lb...	.39	: .43

Paris White, see whitening, French

Pepetin, USP 5 lb bot...	2.25	: 2.50
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PETROLATUM, green 300 lb bbls...

Dark Amber, 300 lb bbls...	.02 1/2	: .03
Light Amber, 300 lb bbls...	.03 1/2	: .04
Cream White, USP 300 lb bbls...	.04 1/2	: .05
Lily White, USP 300 lb bbls...	.07	: .07 1/2
Snow White, USP, 300 lb bbls...	.09	: .09 1/2
	.12 1/2	: .13

Phenol, see also acid carboic

American makers, drums wks...	.26	: .32
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Open market, drs...	.26	: .30
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240 lb des drs wks...	...	: ...
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Natural, 240 lb des drs wks...	...	: ...
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Imported, 336 lb des drs...	...	: ...
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Phenolphthalein, USP, 100 lb drs...	1.40	: 1.50
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5 lb cans, 100 lb lots...	1.50	: 1.60
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Phenyl-Alpha-Naphthylamine 100 lb

kegs...	...	: ...
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Phenylethylalcohol, 1 lb bot...	6.75	: 8.75
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Imported...	7.75	: 9.75
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Phosgene, 100 lb cylinders...	...	: 1.00
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Phosphorus Oxide, 175 lb cyl...	.35	: .40
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Phosphorus, red 110 lb cs. wks...	.75	: .85
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Imported, 112 lb cases...	...	: ...
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Yellow, 110 lb cs. wks...	.40	: .45
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Imported, 112 lb cases...	...	: ...
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Phosphorus Trichloride, 175 lb cyl...	...	: .45
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Phthalic Anhydride, 100 lb bbls...	...	: .30
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Pilocarpine Hydrochloride, USP 25 oz.

lots, 1 oz vials...	3.00	: 3.32
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Nitrate, 25 oz...	...	: 3.00
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Single ounces...	...	: 3.52
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Alkaloid, 15 gr. vials...	...	: .85
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Piperazine Hydrate, 1 lb bot...	...	: 16.00
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Piperidine, 25 oz...	1.10	: 1.25
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Pitch, Coal-Tar, wks...	30.00	: 33.00
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Plaster Paris, tech 250 lb bbls...	...	: 3.30
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True Dental, 300 bbls...	...	: 4.50
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Platinum, metal soft 10 oz. lots...	...	: 117.00
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Podophyllin, 5 lb bot...	5.75	: 6.00
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Second Hands...	5.65	: 5.70
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POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks...	...	: .07 1/2
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Imp., 88-92% 700 lb drs. NY...	.06 1/2	: .07
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USP, by alcohol 5 lb cans...	.46	: .48
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cases...	.30	: .35
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POTASSIUM Acetate, USP, 100 lb

kegs...	.29	: .30
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Bicarbonate, crys. 220 lb bbls...	.12	: .13
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Bichromate, crys. 900 lb cases...	.09 1/2	: .09 1/2
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Powd., 900 lb cases wks...	...	: .12
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Binoxalate, 300 lb bbls...	.25	: .28
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Import, 112 lb keg...	...	: .18
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Bisulfate, C.P., 5 lb cans...	...	: .30
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100 lb kegs...	...	: .22
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Bromate, 100 lb cs...	...	: .75
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BROMIDE, USP, crys. 450 lb

bbls...	...	: .38
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Granular, 300 lb bbls...	...	: .38
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Cases, 100 lb...	...	: .39
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Imported, USP, 220 lb cs...	.24	: .26
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CARBONATE, 80-85% calc.

800 lb cks...	.05 1/2	: .05 1/2
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80-85%, hydrated, 800 lb	...	: .05 1/2
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cks...	.05 1/2	: .06
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90-95% calc. casks...	.05 1/2	: .06
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96-98% calc. casks...	.05 1/2	: .06 1/2
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99% calc. casks...	.07	: .07 1/2
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USP, 100 lb kegs...	.12 1/2	: .13
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99% CP casks...	.12	: .12 1/2
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POTASSIUM—(Continued)

Chlorate, crys. 112 lb keg. c/l	...	: .08 1/2
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wks...	...	: .08 1/2
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Imp. 112 lb kegs NY...	...	: .06 1/2
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Powd., 112 lb kegs wks...	.08 1/2	: .09
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Imp. kegs NY...	.06 1/2	: .07
-----------------	---------	-------

Pyrotechnic, fine powd. NY...	...	: .08 1/2
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USP, fine crys. 110 lb kegs	...	: .08
-----------------------------	-----	-------

NY...	.08	: .09
-------	-----	-------

Citrate, USP 10 lb cans...	.63	: .66
----------------------------	-----	-------

Cyanide 110 lb cases...	...	: .65
-------------------------	-----	-------

Glycerophosphate, 75% Soln. 25 lb	...	: 1.60
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tins...	1.60	: 1.70
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Guaiacol Sulfonate, 5 lb cans,	...	: 2.00
--------------------------------	-----	--------

10 lb...	2.00	: 2.25
----------	------	--------

Hypophosphite, 10 lb cans...	.80	: .85
------------------------------	-----	-------

Iodide, USP, 100 lb cases...	3.60	: 3.65
------------------------------	------	--------

Second Hands, cases...	3.50	: 3.60
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Lactophosphate, 4 oz bot...	...	: .90
-----------------------------	-----	-------

Metabisulfite, 300 lb bbls...	.18	: .20
-------------------------------	-----	-------

Imp., 550 lb bbls...	.10	: .12
----------------------	-----	-------

Muriate, 80%, 200 lb bags, NY	...	: .68
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K ₂ O unit...	...	: .68
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Nitrate, see Saltpetre

Oxalate, neutral, 100 lb kegs...	.35	: .40
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Perchlorate, 112 lb kegs...	.09 1/2	: .10
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PERMANGAN, USP, crys. 500 lb

& 100 lb drs. wks...	.14	: .14 1/2
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Imp. 112 lb drs...	.14	: .15
--------------------	-----	-------

Prussiate, red, 100 lb bbls...	...	: .43
--------------------------------	-----	-------

500 lb casks...	.37	: .38
-----------------	-----	-------

Prussiate, yellow, 500 lb casks...	.18 1/2	: .19 1/2
------------------------------------	---------	-----------

Salicylate, 25 lb cans...	.60	: .65
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Sulfate, 200 lb bags, NY, K ₂ O unit	...	: .94
---	-----	-------

USP, VIII, 100 lb kegs...	.15	: .18
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Sulfocyanide, CP 25 lb jars...	...	: .50
--------------------------------	-----	-------

Tartrate, neutral, 100 lb kegs...	...	: .61
-----------------------------------	-----	-------

Titanium Oxalate 200 lb bbls...	.25	: .30
---------------------------------	-----	-------

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SELDEN

99.99+% Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other
Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

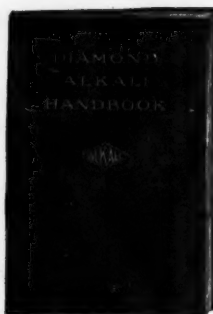
It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. D	.04%	.06	QUININE—(continued)			Santonin USP, 1 lb bot..... D	145.00	145.00
Lump, bags..... D	.03%	.05	Tartrate..... D	.88		Powd. 1 lb bot..... D	148.00	150.00
Powdered, 350 lb bbls..... D	.02%	.03	Valerate..... D	.89		Saponin, ex Quillaia, 5 lb tins. D	.90	1.10
Pyridine, 50 gal drums..... gal	4.00	4.25	Small Sizes: 100 vials or cans,			Satin White, 500 lb. bbls..... D		.01%
QUICKSILVER, see Mercury			5000 lots, 50 oz extra; 5000 cans,			Schaeffer's Salt, 250 lb bbls.wks. D	.60	.65
Quindine Alk., 10000 tins..... D	.75		5000 lots, 30 oz extra; 3500 cans,			Scopolamine, see hyoscine.		
Sulfate, 10000 tins..... D	.50		5000 lots, 20 oz extra; single 100			Selditz Mixture, 22 lb bbls..... D	.17	.18
quinoidine, see Chinoidin			vials or cans, 50 extra. All minor			SILICA		
QUININE SULFATE, USP.			quinine salts sold and quoted basis			Crude, bulk, mines..... ton	10.00	12.00
American, 10000 tins..... D	.50		10000 lots in 10000 cans. Sulfate			Refined, flaked, bags..... ton	13.00	30.00
100 tins, 10000 lots..... D	.57		and bisulfate sold basis 10000			Air flaked, bags..... ton	55.00	55.00
Dutch, 10000 tins..... D	.50		lots in 10000 cans. Smaller orders			Extra, flaked, bags..... ton	55.00	55.00
Java, 10000 tins..... D	.50		or containers extra as above			SILVER, metal, American..... D	.99%	
Japanese, 10000 tins..... D	.50		schedule.			Foreign..... D	.85%	
QUININE SULFATE, USP.			R SALT, 250 lb bbls. wks..... D	.49	.50	Colloidal, 1600 bot..... D	2.80	
Acetate..... D	.88		Red Lead, see lead oxide			Silver Iodide, 1600 bot..... D	.69	
Arsenate..... D	.88		Red Precipitate, see mercury			Nitrate, USP, 2000 bot..... D	.45	.46
Bismale..... D	.88		Resorcinol, see resorcinol.			Nucleinate, 1600 bot..... D	.34	.38
Bisulfate, USP..... D	.50		Resorcinol tech, 100 lb kegs..... D	1.35	1.50	Proteinates, 1600 bot..... D	.34	.38
Citrate..... D	.63		USP, 25 lb cans..... D	2.25	2.35	Soap, Castile, 40 lb bbs..... D	.20	.25
Dibydrochloride, USP..... D	.66		Rochelle Salt, USP, 225 lb bbls. D	.20	.21	Powd. USP, 250 lb bbls..... D	.28	.29
Dibromide..... D	.66		Imp. USP, 300 lb bbls..... D	.19%	.20	Green, USP, 150 lb kegs..... D	.07	.07%
Dicarbonate, 1000 tins..... D	2.50		Rosewater, triple, 5 gal. demis. gal	.90	1.10	Soapstone, see Talc, crude		
Ethyl Carbonate, 1600 tins..... D	.91		Rotten Stone, lump imp., bbls. D	.07	.08	SODA ASH, 58% light		
Ferrocyanide..... D	.88		Lump selected, bbls..... D	.09	.12	1-4 bags, deliv'd NY..... 100 lb		2.10
Formate..... D	.88		Powdered, bbls..... D	.02	.05	5 & Up bags, deliv'd NY..... 100 lb		2.04
Glycerophosphate..... D	.88		Domestic, bags, minis..... ton	24.00	30.00	1-4 bbls., deliv'd NY..... 100 lb		2.44
Hydriodide..... D	.88		SACCHARIN, USP, 1 lb cans, 25 lb			5 & Up bbls., deliv'd NY..... 100 lb		2.29
Hydrobromide, USP..... D	.63		Soluble, USP, 1 lb cans, 25 lb D	1.90	2.10	Contract, Basis 58% bags c/l		1.38
Hydrochloride, USP..... D	.63		Sal Ammoniac, see Ammon. Chloride			Prompt and spot, Basis 58% bags		1.48
Hydrochlorosulfate..... D	.66		Salcin, USP, 1 lb cartons, 25 lb D	4.50	4.75	c/l wks..... 100 lb		1.45
Hydchloride & Urea, USP..... D	.98		Salol, USP, 100 lb drums..... D	.75	.80	Contract, Basis 58% demer bags		1.45
Hypophosphite..... D	.83		Salt, Common, see sodium chloride			c/l wks..... 100 lb		1.45
Lactate..... D	.78		Salt Cake, c/l f.o.b. wks..... ton	20.00	24.00	Pmp. and spot, Basis 58% bags		1.55
Phenylsulfonate..... D	.88		SALT PETRE, Double Refined			c/l wks..... 100 lb		1.55
Phosphate..... D	.74		Granular, 400-500 lb bbls.			SODA CAUSTIC, 76% solid		
Sulphate, USP..... D	.63		c/l wks..... D	.06		1-4 drums deliv'd NY..... 100 lb		3.91
Tannate, USP..... D	.95		Less c/l wks, bbls..... D	.06%		5 & Up drums deliv'd NY..... 100 lb		3.76
			Large Crystals, 350-400 lb bbls.			Ground & Flake, 76%		
			c/l wks..... D	.07%		1-4 drums, deliv'd NY..... 100 lb		4.31
			Small Crystals, 350-400 lb bbls.			5 & Up drums deliv'd NY..... 100 lb		4.16
			c/l wks..... D	.07		1-4 bbls., deliv'd..... 100 lb		4.56
			Powdered, bbls, c/l wks..... D	.07		5 & Up bbls., deliv'd..... 100 lb		4.41
			Imported, 500 lb bbls. D	.06%		Contract basis 76% c/l wks		3.10



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Chemicals

SODA CAUSTIC—(Continued)

Empt. and spot, 76% c/l wks. 100 lb	...	3.30
Contract 74% low grade c/l wks. flat 100 lb	...	3.02
Ground & Sake, 76% pmpt. and spot, wks c/l drs. 100 lb	...	3.60
Contract, 76% drums, c/l wks flat 100 lb	...	3.50
USP, stick, 10 lb cases lb	...	.21
Pure, stick, by alcohol lb	...	.37
SODIUM ACETATE, crys. 450 lb bbls		
Car lots, bbls, wks. lb	...	.05 1/2
Aluminate, 500 lb bbls, wks. lb	...	.07 1/2
Aluminum Sulfate, see alum soda		
Arsenite, 4 lb mat. wks. drums gal	...	.60
Drums, 8 lb material, wks. gal	...	1.50
Benzoate, USP, 100 lb bbls. lb	...	.65
Bicarbonate, 400 lb bbls, NY. lb	...	2.25
Bbls. c/l wks. 100 lb	...	2.00
112 lb kegs wks. 100 lb	...	2.25
112 lb kegs, NY. 100 lb	...	2.60
Bichromate, 500 lb cases wks. lb	...	.07 1/2
Casals, c/l wks. lb	...	.07 1/2
Casals, NY. lb	...	.07 1/2
Caustite, dry powder, 500 lb bbls, wks. lb	...	.04
Solution, 32-40°, 500 lb bbls wks. 100 lb	...	1.25
Sromate, 100 lb cs. lb	...	1.05
BROMIDE, USP, 450 lb bbls. lb	...	.58
Cases, 50 lb lb	...	.39
Imp. USP, 112 lb cs. lb	...	.32
acuminate USP 5 lb bot. 25 lb lb	...	5.50
Carbonate, sal soda, 350 lb bbls. le/l NY. 100 lb	...	1.30
Wicks c/l 100 lb	...	1.10
Monohydrate, 400 lb bbl. le/l NY. 100 lb	...	2.40
Pure photographic, 100 lb keg lb	...	.06
Chlorate, 112 lb kegs, wks. lb	...	.06 1/2
Imported, 112 lb kegs. lb	...	.06 1/2

SODIUM—(Continued)

Chloride, tech. 200 lb bags. ton	12.00	15.00
C. P., 300 lb bbls. lb	.05	.08
Chromate, 800 lb bbls. lb	...	.08
Citrate, USP, IX, 100 lb kegs. lb	.62	.66
USP, VIII, 100 lb kegs. lb	.55	.59
Cyanide, 96-98%, 100 lb cases wks. lb	...	.22
Ton lots, wks. lb	...	.22
73-76%, 100 lb cases, wks. lb	...	.19 1/2
125-127%, 200 lb cs. lb	.20	.20 1/2
120-125%, 200 lb cs. lb	.16	.17
118-126%, 200 lb cs. lb	...	.18
Fluoride, 300 lb bbls, wks. lb	.08 1/2	.09 1/2
Imp. 350 lb bbls. lb	.08 1/2	.08 1/2
Glycerophos USP, crys 25 lb cases lb	1.65	1.75
Powder, 25 lb tins. lb	1.70	1.80
Solution, USP 25 lb tins. lb	1.10	1.20
Hydroxide, see Soda Caustic		
Hypochlorite, Sols., 100 lb cys. lb	...	.05
14 1/2% soln., 50 lb cys. lb	...	.04
Hydroxide, 200 lb bbls, rob. wks. lb	.23	.24
For Stripping, 50 lb cases. lb	.35	.40
Hypophosphite, USP, 25 lb cases lb. lb	.70	.75
HYPOSULFITE, tech pes. crys.		
375 lb bbls, wks. 100 lb	2.65	3.05
Bbls. c/l wks. 100 lb	...	2.50
100 lb kegs wks. 100 lb	2.75	3.35
Imp. 100 lb	2.75	3.00
Granulated, bbls, wks. 100 lb	2.90	3.30
Bbls. c/l wks. 100 lb	...	2.75
Kegs, wks. 100 lb	3.00	3.60
Regular crystals. 100 lb	2.35	2.65
Iodide, USP, 25 lb jars. lb	4.25	4.30
Metadate, 150 lb bbls. lb	.55	.70
Naphthionate, 300 lb bbls. lb	.59	.62
Nitrate, crude, 95%, 200 lb bags c/l NY. 100 lb	...	2.62
Futures, NY. 100 lb	2.35	2.40
Isotonic, 400 lb bbls gran. c/l wks. lb	...	.04 1/2
Nitrite, 500 lb bbls, wks. lb	.08	.08 1/2
Bbls. spot, makers. lb	...	.08 1/2
Imp. 650 lb cases lb	.08 1/2	.09

SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo- nate, 175 lb bbls, wks. lb	.25	.27
Oxalate, neutral, 100 lb kegs. lb	...	.39
Perborate, 275 lb bbls. lb	...	.23 1/2
Imp., 225 lb drs. lb	...	.21
Peroxide, 200 lb cases lb	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. lb	.03 1/2	.03 1/2
USP, gran. 275 lb bbls. lb	.07	.07 1/2
Imp. gran. lb	.05 1/2	.06
USP, recryst. 275 lb bbls. lb	.10	.11
Mono-sodium 100 lb kegs. lb	.24	.26
Tri-sodium tech. c/l, bbls. lb	.03 1/2	.04
Picramate, 100 lb kegs. lb	...	.60
Para-Toluene Sulfonate, 175 lb bbls. lb	.08	.09
PRUSSIATE, yellow, 250 lb bbls. lb	...	.10 1/2
Imp., 450 lb cs. lb	.09 1/2	.10
Pyrophosphate, 100 lb kegs. lb	.24	.26
Salicylate, 100 lb kegs. lb	...	.40
Second Hands, USP, kegs. lb	.37	.40
Silicate, 60° 700 lb bbls, f.a.s. NY. 100 lb	...	2.00
Works, 1000 lb drums. 100 lb	...	1.90
Works, tanks 100 lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. 100 lb	...	.80
Works, 1000 lb drums. 100 lb	...	.85
Works, tanks 100 lb	...	.75
Spot, drums, bbls. 100 lb	1.05	1.30
Silicofluoride, 450 lb bbls, NY. lb	...	.06
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls, c/l lb	.03 1/2	.05
Sulfide, 60% solid, 650 lb drs. le/l wks. lb	.04 1/2	.05
Drs. c/l wks. lb	.03 1/2	.04
Imp. 700 lb drs, NY. lb	...	.03 1/2
60% broken, 650 lb drs wks. lb	.04 1/2	.05
Imp., 500 lb drs, NY. lb	.03 1/2	.04
30% crys. 440 lb bbls, wks. lb	.02 1/2	.02 1/2
Imp., 400 lb bbls. lb	.02 1/2	.02 1/2
Sulfite, crys. 400 lb bbls, wks. lb	.03 1/2	.03 1/2
Anhydrous, 400 lb bbls. lb	.09 1/2	.10

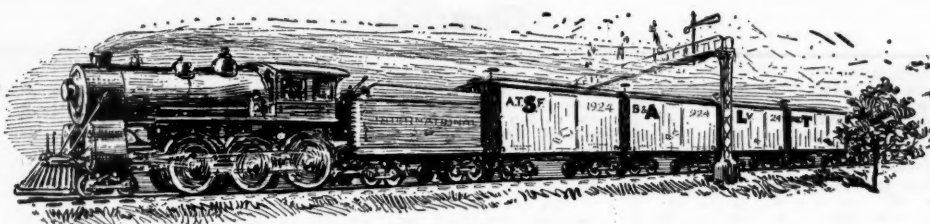


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Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/l NY...			Thymol, USP, 25 lb tins.....		
Sulfocarbide, USP 100 lb			Crude f.a.b. mlos	18.00	19.00	Iodide, 5 lb boxes.....	3.00	3.10
kegs	.35	.37	Brimstone, 250 lb bags, c/l 100 lb	14.00	15.00	TIN, Metal Strain, NY.....	6.75	7.00
Sulfocyanide, 400 lb bbls.....	.45	.47	Less c/l bags NY.....	1.75	1.95	American standard, NY.....	44.00	
Tungstate, crys. 100 lb kegs..	.60	.65	Roll, 500 lb bbls, c/l NY.....	1.85	2.10	99% American, NY.....	43.85	
Anhydrous, kegs		.75	Less c/l bags NY.....	2.20	2.45	Bichloride, 50% soln. 100 lb	43.35	
Solvent Naphtha, see Naphtha			Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05	bbls. wks.	.12%	
Spartan Sulfate, USP, 25 lb bulk	.30	.40	Light, 100%, 260 lb bbls, 100 lb	2.60	3.15	Crystals, 500 lb bbls. wks.....	.33	
Single oz. vial.....		.47	Rubbermakers 100%, 240 lb			100 lb kegs. wks.....	.33%	
Starch, rice, 140 lb bags.....	.09	.10	bbls, NY.....	2.50	3.30	Oxide, 400 lb bbls. wks.....	.48	
STRONTIUM Bromide, USP, 50 lb			Commercial, 99%, 150 lb bps.	1.35	1.65	100 lb kegs. wks.....	.50	
kegs	.41	.42	For Dusting, 99%, 100 lb	2.00	2.50	Tetrachloride, 1000 lb drs. wks..	.26	
Carb. 600 lb bbls. wks.....		.07	bgs. NY.....	2.00	2.50	Tolidine, 350 lb bbls.....	1.00	1.10
100 lb kegs wks.....		.08	Flowers, 100%, 240 lb bbls.	3.00	3.55	Sulfate, 350 lb bbls.....	1.10	
Iodide, USP, 25 lb jars.....		4.00	NY.....	14	.17	Toluene, 8000 gal tank cars, wks.gal	.26	
Nitrate, 600 lb bbls. wks.....	.10	.10%	Precipitated, 125 lb bbls NY.....	.07	.10	110 gal. drs. wks.....	.31	
Imp., bbls, NY.....		.09%	Lac, 125 lb bbls NY.....			Tolidine, Mixed, 900 lb drs. wks..	.31	
Salicylate, USP, 100 lb kegs..	.70	.75	Sulfur Chloride, red, 700 lb drs.	.06	.07	Triacetin, 50 gal. drs., wks.....	.37%	
STRYCHNINE Alkaloid, USP, crys.			wks	.06	.07	Tribromophenol, 100 lb cases.....	1.00	
1000 oz. tins		.61	150 lb drs. wks.....		.08	Trional, see Sulfonethylmethane		.80
Alk. powd., USP.....		.51	Yellow, 700 lb drs. wks.....	.05	.06	Triphenylguanidine.....		.55
Acetate.....		.68	150 lb drs. wks.....	.07	.07	Triphenyl Phosphate, 450 lb bbls	2.50	3.00
Glycerophosphate, USP.....		.68	Sulfur Dioxide, 1000 lb cpl.....	.08	.08%	Tripoli, 500 lb bbls.....	3.75	9.50
Hydrobromide.....		.68	Iodide USP, VIII, 5 lb bot..		4.55	Tungsten NY.....		.18
Hydrochloride.....		.68	Sulfuric Ether, see Ether			Ultramarine Blue.....		.80
Hypophosphite.....		.78	Sulfuryl Chloride, 600 lb drs....	.75	1.00	UREA, pharm. 112 lb cases.....		.49%
Nitrate, USP.....		.68	TALC, Italian 220 lb bags NY..ton	40.00	50.00	Cans, 80 ozs.....		.50
Phosphate.....		.68	Refined white, bags	60.00	80.00	Cans, 16 ozs.....		.51
Sulfate, USP, crys. powd.....		4.13%	French, 220 lb bgs., NY.....ton	30.00	35.00	Second Hands.....		.42%
Saccharinate.....		1.75	Refined, white, bags.....ton	35.00	45.00	Venetian Red.....		.05
Strychnine preparations quoted bases			Dom., crude, 100 lb bags NY..ton	13.00	15.00	Verdigris, see Copper Subacetate		
1000 lots in 1000 tins. Small sizes;			Refined, 100 lb bags NY.....ton	16.00	18.00	Vermillion, Amer. 100 lb kegs.....	.35	.40
1/4 oz vials, 50c extra; 1/2 oz vials, 55c			Tartar Emetic, tech. 700 lb bbls..	.31	.34	English, kegs	1.30	1.55
extra; single ounce vials, 1c extra. Lots			USP, 300 lb bbls.....	.60	.62	Veratrine Sulfate, 1 oz vial.....		1.85
of 25 ozs. 5c higher than above			Terpin Hydrate, USP, 100 lb bags			Hydrochloride, 1 oz vial.....		1.85
schedule. Lots of less than 25 ozs.			Terpineol, CP 1000 lb drums.....	.43	.50	Versal, see Acid Diethylbarbitale		
10c higher per oz.			Cans, 50 lb.....	.53	.57	WHITE LEAD, see lead, white.		
Sugar Coloring, bbls.....gal	.63	.72	Imported, cans, 25 lb.....	.95	1.20	White Precipitate, see mercury.		
Sugar Milk USP, 200 lb bbls.....	.22	.23	Terpenyl Acetate, 25 lb cans.....	1.65	1.85	Whiting, 200 lb bags, c/l wks.ton	13.00	15.00
Second Hands, USP, bbls.....	.21	.23	Terra Alba, No. 1, 300 lb bbls100 lb	1.85	1.90	Bags, 1c/1 NY.....ton		18.00
Sulfonal, see Sulfonmethane			No. 2, bbls.....	1.25	1.35	Olders, bags, NY.....ton	13.50	15.00
Sulfonethylmethane, USP, 10 lb bbs..	3.85	4.05	Theobromine Alk., 5 lb cans.....	4.00	4.10	French, bags, NY.....ton		18.00
Sulfonmethane, USP, 10 lb bbs..	2.65	2.85	and Sod. Salicylate, 1 lb bot..		3.42	English, bags, NY.....ton		21.00
			Thiocarbamide, 170 lb bbls.....	.27	.29	Witch Hazel Extract, 50 gal. bbls.gal	1.20	1.25

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Exclusive Distributors

R. W. GREEFF & CO., Inc.

78 FRONT ST., Cor. Old Slip, NEW YORK CITY



NITRATION BENZOL

NON-CORROSIVE PURE BENZOL

NON-CORROSIVE 90% BENZOL

NITRATION TOLUOL

NON-CORROSIVE PURE TOLUOL

NITRATION XYLOL

XYLOL 5°—XYLOL 10°

The *Barrett* Company

40 Rector Street

New York



Chemicals

XYLENE, 3° dist. range, nitration	.45	.50
110 gal. drs. NY.....gal	.50	.55
5° dist. range, 8000gal. tanks		
110 gal. drs. wks.....gal	.35	.40
10° dist. range, drums, wks.....gal	.40	.45
Commercial, 110 gal. drs., wks.....gal	.35	.40
Tanks, wks.....gal	.32	.33
Xylidine.....lb	.26	.27
Yohimbin Hydrochloride, 1 oz. vial.....oz	.40	.45
YARA YARA, 1 lb. time.....lb	1.75	2.00
ZINC, METAL, high grade, slabs	3.00	3.57
c/l NY.....100lb	8.25	
Common Slabs, c/l NY.....100lb	6.15	6.20
Mossy, 25 lb. bxs NY.....lb		.14
Ammonium Chloride, powd., 400lb		
bbls.....bbl	.07½	.08
Carb. tech. 150 lb. kegs NY.....lb		.23
CSF, 100 lb. kegs.....lb		.33
Chloride, fused, 600 lb. drs. wks.....lb		.06
Drs. c/l wks.....lb	.04½	.05
Imp. drs. NY.....lb		.05
Granulated, 500 lb. bbls, wks.....lb	.07	.07½
Imported, drs. NY.....lb		.06½
Solution, 50% ref. tanks wks100lb	2.25	2.50
USP, 25 lb. jars.....lb	.27	.29
Cyanide, 100 lb. drs.....lb	.36	.37
Dust, 100 lb. tins wks.....lb	.09½	.10
500 lb. bbls, kegs, c/l wks.....lb		.09½
500 lb. bbls, kegs, c/l wks.....lb		.08½
Iodide, 5 lb. bots.....lb		5.28
Nitrate, 25 lb. jars.....lb		.45
Oxide, Amer. 300 lb. bbls, wks.....lb	.08½	.08½
Bbls. c/l wks.....lb	.08½	.08½
French, 300 lb. bbls wks.....lb	.10½	.12½
Bbl c/l wks.....lb	.10	.12
Bags. c/l wks.....lb	.09½	.10½
USP, 100 lb. bbls. c/l.....lb		.17
Ton lots, wks.....lb		.18
Imported, white seal, bbls.....lb		.12
Green seal, bbls.....lb		.10
USP, 100 lb. bbls.....lb		.19½
Stearate, USP, 50 lb. bbls.....lb	.08	.08½
Sulfate, 400 lb. bbls, wks.....lb	.03½	.03½
Bbls. c/l wks.....lb		.03
USP, 100 lb. kegs.....lb	.08	.09
Sulfocarbonate, 100 lb. kegs.....lb	.32	.34

Oils

Caster, No. 1, 400 lb. bbls.....lb	.16	.16½
80 lb. cases.....lb		.17
No. 2, bbls.....lb	.15½	.16
Blown, 400 lb. bbls.....lb		.18½
China Wood, bbls., spot NY.....lb	.12½	.12½
Tanks, Spot, NY.....lb	.12½	Nom.
July forward, arrival NY bbls.....lb		.12½
July forward, arrival NY tanks.....lb		Nom.
Coast, tanks, July, forward.....lb	.11	.11½
Cocmat Caylon, 375 lb. bbls, NY.....lb	.09	.09½
8000 gal. tanks, NY.....lb		.08½
Cochin, 375 lb. bbls, NY.....lb	.10	.10½
Tanks, NY.....lb		.09
Manila, tanks, P. Coast.....lb	.07½	.07½
Edible, bbls, NY.....lb	.10½	.10½
Cod Newfoundland, 50 gal. bbls.gal	.59	.61
Tanks, NY.....gal	.54	.56
Copra, bags.....lb	.05½	.05½
Corn, ref. 375 lb. bbls., NY.....lb	.11½	.12
Crude, tanks mills.....lb		.09
Bbls., NY.....lb	.10½	.10½
Cottonseed, crude tks. mill.....lb		.09½
P. S. Y., 100 bbl. lots NY.....lb	.11½	.11½
White, 100 bbl. lots, NY.....lb		.12½
Winter yellow, 100 bbls, NY.....lb	.11½	.12
Degras, Amer. 50 gal. bbls, NY.....lb	.04½	.04½
English, light, bbls, NY.....lb		.05½
Dark, bbls, NY.....lb	.04½	.04½
Neutral, bbls, NY.....lb	.10	Nom.
Moellen, bbls, NY.....gal		.50
Greases, choice white, bbls, NY.....lb	.08½	.09
Yellow.....lb		.06½
Brown.....lb		.06½
House.....lb		.06½
Bone naphtha.....lb		.06½
Herring, Tanks, Coast.....gal		
Horse, 375 lb. bbls, NY.....lb	.07½	Nom.
Lard, prime steam bbls.....lb	.11½	.12
Compounds, bbls.....lb	.12½	.12½

LARD OIL, Edible prime, bbls.....lb		.14
Off prime, bbls.....lb		.12½
Extra, bbls.....lb		.11½
Extra No. 1, bbls.....lb		.11½
No. 1 tks.....lb		.10½
No. 2 bbls.....lb		.10½
LINSEED, raw c/l bbls, spot.....gal		.96
Pine bbls, raw.....gal		.99
Boiled, 5 bbl. lots.....gal		1.01
Double boiled 5 bbl. lots.....gal		1.02
Raw, c/l, bbls.....gal		1.01
Tanks.....gal		.90
July-Sept., c/l bbls.....gal		.96
Imported, bbls, NY.....gal		
Tanks, NY.....gal		
Menhaden, crude bbls, wks.....gal		
Crude, tanks, Balt.....gal		.40
Light strained, tanks.....gal		
Light strained, bbls, NY.....gal	.59	.60
Yellow bleached, bbls, NY.....gal	.62	.63
Extra bleached, bbls, NY.....gal	.63	.65
Blown, bbls, NY.....lb		.10
Nestsfoot, 20° c.t. bbls, NY.....lb		.19½
Pure, bbls, NY.....lb		.15
Extra, bbls, NY.....lb		.10½
Olco Oil, No. 1, bbls, NY.....lb	.13½	.13½
No. 2, bbls, NY.....lb		.10½
No. 3, bbls, NY.....lb		.09½
OLIVE, denatured bbls, NY.....gal	1.20	1.22
Edible, bbls, NY.....gal	2.00	2.25
Foots, bbls, NY.....lb	.09½	.09½
Shipments.....lb	.09½	.09½
Palm Lagos, 1500 lb. casks.....lb	.07½	.07½
Niger casks.....lb	.07	.07½
Bonny old Calabar, casks.....lb	.07	Nom.
Palm Kernel, bbls, NY.....lb	.09	.09½
Peanut, refined bbls, NY.....lb	.15½	.16
Crude, mills buyers' tks.....lb		
Crude, bbls, NY.....lb		
Perilla, bbls, NY.....lb	.14½	.14½
Poppyseed, bbls, NY.....gal	2.25	2.50

1816



1924

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Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal.	.80	.82
Blown, bbls. NY, 8 lbs.....gal.	...	1.00
Red Oil, distilled, bbls.....lb.	.08%	.09%
Saponified, bbls.....lb.	.08%	.09%
Tanks.....lb.	...	.08
Salmon, 8000 gal. tks. Coast.....gal.	...	...
Sesame, edible bbls.....lb.	.11%	.11%
Sod Oil, bbls. NY.....gal.	...	.40
SOYA BEAN, crude tks. Coast.....lb.	...	.10%
Crude, tks., NY.....lb.	.10%	.10%
Crude, bbls. NY.....lb.	.12	.12%
Sperm, 38° c.t. blechd. bbls. NY.gal.	...	.89
45° cold test, blechd. bbls. NY.gal.	...	.84
STEARIC ACID, s.p. 200 lb bags. lb.	.10%	.11
Double pressed, bags.....lb.	.11%	.11%
Double pressed, bgs., saponified. lb.	.11%	.11%
Triple pressed, bgs., distilled. lb.	.13	.13%
Triple pressed, bgs., saponified. lb.	.13	.13%
Stearine, oleo, bbls.....lb.	.11%	.11%
Tallow, edible, tierces.....lb.	...	.09%
City, extra, loose.....lb.	.07%	.07%
Tallow Oil, acidless tks. NY.....lb.	...	.09%
Bbls., c/l NY.....lb.	.10%	.10%
Walnut, crude bbls. NY.....lb.	...	...
Whale, nat. winter bbls. NY.....gal.	...	.77
Blehd. winter bbls. NY.....gal.	...	.81
Extra Blehd. bbls. NY.....gal.	...	.83
Crude, No. 1, tanks Coast.....gal.	...	...
Crude, No. 2, tanks Coast.....gal.	...	...
Crude, No. 3, tanks Coast.....gal.	...	...

Fertilizer Materials

Blood, dried f.o.b. NY.....unit	3.00	3.10
Chicago.....unit	3.15	3.25
Bone, 3 & 50 ground steamed. ton	20.00	21.00
Raw, Chicago.....ton	...	25.00
Cyanamide, NY, basis.....unit	...	2.00
Fish Scrap, dried wis.....unit	3.25	3.50
Acid, Bulk. 7 & 3 1/2, Deliv.	...	...
Norfolk & Balt. basis. unit	...	2.85
Steamed Bone Meal, 3 & 50, Balt. ton	...	24.00
Tankage, ground, NY.....unit	2.65	2.75
High grade f.o.b. Chicago.....unit	...	3.00

Ammon. Sulf., bulk wks.....100 lb	2.50	2.60
Double bgs. f.a.s. NY.....100 lb	2.60	2.65
Single bgs. wks.....100 lb	2.60	2.65
NITRATE SODA, NY.....100 lb	2.62 1/2	2.65
Future, July, Aug.....100 lb	2.35	2.45
Phosphate Rock, f.o.b. mines	...	...
Florida Pebble, 68%.....ton	...	2.25
Florida Pebble, 70%.....ton	...	2.50
Florida Pebble, 75-74%.....ton	...	3.75
Tennessee, 72%.....ton	...	5.50
Phosphate Acid, 16% Bulk wks.....ton	7.50	8.00
PCTASH	...	...
Pot. Chloride, 80% basis, bgs. ton	...	31.10
Pot. Sulfate, 90% basis, bgs. ton	...	41.27
Dbie. Manure Salts, 48% basis	...	...
bgs.....ton	...	23.72
Manure Salts, 39% basis, bulk. ton	...	15.33
Manure Salts, 20% basis, bulk. ton	...	9.50
Kainite, 12.4% basis, bulk. ton	...	6.50
Bulk in bags, \$2.00 extra.	...	...
Prices c.i.f. Atlantic & Gulf Ports.	...	...

Naval Stores

(Carloads ex-yard N. Y.)	...	...
Spirits Turpentine, bbls.....gal	...	.83
Wood Turpentine, stm. distd. bbls. gal	...	.75
Destructive distilled, bbls.....gal	...	.57
Pine Oil, stm. dist'd, bbls.....gal	...	.60
Pitch, prime.....bbl	...	5.50
Rosins, (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb).	...	...
B.....280 lb	...	5.55
D.....280 lb	...	5.65
E.....280 lb	...	5.75
F.....280 lb	...	5.80
G.....280 lb	...	5.80
H.....280 lb	...	5.80
I.....280 lb	...	5.80
K.....280 lb	...	5.85
M.....280 lb	...	5.90
N.....280 lb	...	6.10
WG.....280 lb	...	6.90
WV.....280 lb	...	7.60

Kosin Oil, first run, 50 gal. bbls. gal	...	.40
Second run, bbls.....gal	...	.40
Tar, kiln-burnt.....bbl	...	19.50
Retort.....bbl	...	19.50

Dye and Tan Woods

Barwood, chips.....lb	.04 1/2	.04
Camwood, chips.....lb	.09	.13
Divi Divi, pods 100-200 lb bags. ton	43.00	44.00
Fastic, sticks.....ton	30.00	32.00
Chips.....lb	.04	.05
Hemlock, bark.....ton	...	20.00
Hyperic. chips.....lb	.06 1/2	.07
LOGWOOD, sticks.....ton	23.00	27.00
Chips 150 lb bags.....lb	.03	.03 1/2
Mangrove bark, African.....ton	34.00	36.00
Myrobalans, 150 lb bags J1.....ton	38.00	39.00
R1.....ton	34.00	35.00
J2.....ton	31.00	32.00
Nutgalls, see Crudo Drugs	...	...
Oak bark, whole.....ton	20.00	23.00
Ground.....ton	...	23.00
Quercitron bark, rough.....ton	...	10.00
Ground.....ton	20.00	25.00
Sumac, Sicily, 160 lb bags.....ton	158.00	160.00
Virginia, 150 lb bags.....ton	40.00	45.00
Valonia Cups, 30-31% tan.....ton	32.00	33.00
Beard, 42% tan, 150 lb bgs. ton	49.00	50.00
Mixtures, 36% tan.....ton	37.00	38.00
Wattle bark, 150 lb bgs.....ton	33.00	34.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.26	.29
Archil, double 600 lb bbls.....lb	.13	.14
Triple, 600 lb bbls.....lb	.16	.17
Conc., 600 lb bbls.....lb	.18	.20

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Benzols & Toluols

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Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. D	.01% : .01%
Ebba, wks. D	.02% : .03
Powd., 60% 100 lb bags, wks. D	.05% : .05%
Decolorized, bags, wks. D	.06% : .07
Cutbarr, English D	.18 : .20
Cutch, Bangoon, 100 lb bales. D	.14 : .16
Borneo, solid, 100 lb bales. D	.04% : .05%
Liquid, 450 lb bbls. D	.07% : .11
Tablets, 120 lb boxes. D	.13 : .14
Flavine D	.95 : 1.00
Fortic, solid 50 lb boxes. D	.20 : .22
Crystals, 100 lb boxes. D	.20 : .22
Liquid, 51°, 600 lb bbls. D	.10 : .14
Gall extract D	.16 : .18
Gambier, 25% liq. 450 lb bbls. D	.11% : .14
Common, 200 lb cases. D	.12% : .13
Singapore cubes, 150 lb bags. D	.21 : .23
HEMATINE, Paste, 500 lb bbls. D	.09% : .13
Crystals, 400 lb bbls. D	.12 : .20
Hemlock, 25% 600 lb bbls. wks. D	.03% : .03%
Hyperic, 51°, 600 lb bbls. D	.16 : .18
Indigo, Madras, bbls. D	.85 : .90
Manila, bbls. D	... : 1.30
Larch, 25%, 600 lb bbls. D	.03% : .04
Powd. 100 lb bags, wks. D	.07 : .08
Logwood, 51°, 600 lb bbls. D	... : .09
Lower grade D	.07 : .08
Solid, 50 lb boxes. D	.09 : .15
Madder, Dutch D	.28 : .30
Mangrove, 55% 400 lb bbls. D	.04% : .05
Myrobalsam, 25% liquid bbls. D	.04 : .05
50% solid, 50 lb boxes. D	.05 : .05%
Oak, tanks, wks. D	.04 : .04%
23-25% liq. 600 lb bbls. wks. D	.04% : .04%
Osage Grange, 51° Liquid. D	.07 : .08
Powd. 100 lb bags. D	.14 : .15

Persian Berries D	.37 : .30
QUERRACHO, 35% liquid tka. D	.03 : .03%
450 lb bbls. D	.03% : .04
35% bleaching, 450 lb bbls. D	.04% : .05%
Solid 65% 100 lb bales. D	.04 : .04%
Clarified bales D	.04% : .04%
Quercitron, 51° 450 lb bbls. D	.07% : .08
Powdered, 100 lb boxes. D	.09 : .13
Spruce, 25% liquid tanks wks. D	.01 : .01%
Powd. 50% 100 lb bags wks. D	.02 : .02%
Sumac, liquid 450 lb bbls. D	.07 : .08
Stainless, 600 lb bbls. D	.11 : .12

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. D	... : 1.25
Blood, 100 lb drs. D	.40 : .45
Egg Yolk, Spray, 150 lb cs. D	.45 : .65
British Gum, 140 lb bags c/l 100 lb	4.19 : 4.34
Bags, lc/l D	4.40 : 4.55
Dextrin, corn 140 lb bags c/l 100 lb	... : 3.84
Bags, lc/l D	... : 3.94
Yellow, bags c/l D	... : 3.89
Bags, lc/l D	... : 3.99
Potato 220 lb bags c/l D	... : .07%
Bags, lc/l D	... : .08%
Yellow, 220 lb bags. D	... : .08
Tapioca, 200 lb bags, lc/l D	.09% : .10%
Prussian blue D	.60 : .62
Sage Flour, 150 lb bags. D	.04% : .05
STARCH, powd., 140 lb bags c/l 100 lb	... : 3.37
Bags, lc/l D	... : 3.47
Pearl, 140 lb bags c/l D	... : 3.27
Bags, lc/l D	... : 3.37
Potato, domestic, 200 lb bags. D	.05% : .06
Imported, bags duty paid. D	.08 : .08%
Tapioca Flour, high grade bags. D	.08 : .08%
Medium grade bags D	.04% : .05
Low grade, bags D	.03% : .04
Turkey Red Oil, bbls. D	.11 : .12
Yolk Oil, bbls. D	... : .85

Crude Drugs

Aceroides Gum, yel. D	.18 : .20
ACONITE Leaves, bales. D	.10 : .12
Root, USP, bags D	.39 : .41
Agar Agar, 1, 200 lb bales. D	1.50 : 1.88
No. 2, bales D	... : 1.35
No. 3, bales D	... : 1.25
Agaric, white, cases D	2.45 : 2.50
Almonds, bitter bags bxs. D	.45 : .50
Sweet, bags D	.57 : .60
Meal, tins, boxes D	.26 : .28
Aletris Root, bags D	.48 : .50
Alkanet Root, bags D	.06 : .06%
Aloes, Barbadoes, 120 lb bbls. D	.65 : .70
Cape, 400 lb cases D	.07% : .08
Curacao 100 lb cases D	.07% : .08
Scootrine, whole 100 lb cs. D	.32 : .34
Althaea Root, cut cases. D	.22 : .24
Whole bags D	.08 : .09
Ambergris, black boxes D	8.00 : 10.00
Grey, boxes D	... : 26.00
Ammoniac, tears, bags D	.68 : .73
Angelica Root, dom. bags. D	.12 : .13
Angostura Bark, bags D	.67% : .09
Anise, Levant bags D	.15 : .16
Russian, bags D	.13 : .14
Star, cases D	.11% : .12
Spanish, bags D	.14% : .15
Annatto Seed, 200 lb bags. D	.24 : .25
ARABIC GUM, D	
White, No. 1, 200 lb bags. D	.26 : .27
Seconds, 250 lb bags. D	.24 : .25
Seris, amber, 200 lb bags, bbls. D	.11% : .12
Powd., USP, 300 lb bbls. D	.15 : .18%
Areca Nuts, 150 lb bags. D	.09 : .10
Powd., 200 lb bbls. D	.13 : .15
Arnica Flowers, bales D	.08% : .09
Root, bags D	.25 : .30
Arrowroot, Amer., powd. bbls. D	.08 : .09
St. Vincent, powd. bbls. D	.13 : .14
Asafetida, USP, 250 lb cases. D	.18 : .20
Powd. 50 lb bxs. D	.85 : .37
BALM GILEAD BUDS, bags. D	.43 : .48
Balmory Herbs, bales D	... : .14

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(All Grades)

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Seaboard Chemical Co.

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Crude Drugs

Dogwood Bark, Jamaica bags....lb	.09	: .10	Grindelia Robusta Herb, bales....lb	.07½	: .08½	LADY SLIPPER ROOT, bags....lb	.50	: .55
American, bales.....lb	.07	: .08	Guaiac Gum, 80 lb cases.....lb	.35	: .38	Larkspur Seed, bags.....lb	1.05	: 1.10
Doggrass Root, USP, cut bags....lb	.10	: .11	Guarana, tins, cases.....lb	.55	: .60	Laurel Leaves, bales.....lb	.04	: .05
Dragons Blood, mass cases.....lb	.65	: .47	GUM, see Arabic Gum, etc.			Lavender Flowers, ordinary.....lb	.22	: .26
Reeds, boxes.....lb	.90	: .95				Selected.....lb	.30	: .40
ECCHINACEA ROOT, bags.....lb	.30	: .32	HALLEBORE ROOT,			Leeches, tubs.....Per 100	4.00	: 4.50
Elecampane Root, bags.....lb	.09	: .10	Black, bbls.....lb	.08	: .10	Lemon Peel, bags.....lb	.08	: .09
Elder Flowers, bags.....lb	.12	: .15	Powdered.....lb	.15	: .17	Licorice Root, Russian whole....lb	.07½	: .08
Elemi Gum, 80 lb cases.....lb	.10	: .11	White, Powd., 250 lb bbls....lb	.11	: .12	Spanish, natural bales.....lb	.09	: .09½
Elm Bark, select 5 lb bundles cases lb	.25	: .27	Helonias Root, (unicorn false) bags	.72	: .78	Powdered, bbls.....lb	.09	: .09½
Grinding, bags.....lb	.16	: .18	Hemp Seed, Manchurian bags....lb	.03½	: .04	Selected, 2 & 5 lb bundles..lb	.14	: .17
Powdered, bbls.....lb	.23	: .25	Chilian, bags.....lb	.03½	: .04	Cuttings, 125 lb bags.....lb	.07	: .07½
ERGOT, 150-200 lb bags.....lb	.30	: .32	Henbane Leaves, bales, USP....lb	.29	: .33	Greek, 150 lb bales.....lb	.03	: .03½
Eucalyptus Leaves, bales.....lb	.05	: .06	No assay.....lb	.28	: .30	Life Everlasting Herbs, bales....lb	.05	: .06
Euphorbia Pilulifera Herb, bags..lb	.11	: .13	Henna Leaves, bales.....lb	.09½	: .10	Lime juice, clarified bbls.....gal	.80	: .65
Euphorbium Gum, cases.....lb	.25	: .27	Powdered.....lb	.12	: .13	Linden Flowers, with leaves, bales lb	.11	: .12
Powdered, boxes.....lb	.40	: .42	Honey, Calif., 120 lb cases.....lb	.12	: .13	Without Leaves, bales.....lb	.18	: .19
Fennel Seed, French, bags.....lb	.10½	: .11	Hops, N. Y. prime bales.....lb	.28	: .30	Liverwort Leaves, bales.....lb	.19	: .20
German, bags.....lb	.16½	: .18	Pacific Coast prime bales.....lb	.25	: .27	Lobelia Herb, bales.....lb	.34	: .38
Indian, bags.....lb	.08	: .09	Horshound Herb, bales.....lb	.10	: .11	Lobelia Seed, bags.....lb	.62	: .65
Flax Seed, whole 180 lb bbls.....es	13.00	: 13.50	Horsetail Rush, bags.....lb	...	: .15	Lovage Root, Imported, bags....lb	.18	: .20
Ground, 180 lb bbls.....lb	.07½	: .08	India Gum, see Karaya			Lupulin, boxes.....lb	1.15	: 1.20
Foenugreek Seed, 200 lb bags....lb	.05	: .06	INSECT FLOWERS, open whole bales	.50	: .52	Domestic.....lb	1.15	: 1.20
Fish Berries, 100-125 lb bags....lb	.02½	: .03	Cloved whole, bales.....lb	.48	: .50	Lycopodium, 88 lb cs.....lb	.29	: .31
Fringe Tree Bark, bags.....lb	.20	: .21	Powdered, pure 200 lb bbls....lb	.63	: .65	MACE, Siam, No. 1 cases.....lb	.63	: .64
GALANGAL ROOT, bags.....lb	.07½	: .08	Flowers and stems, 50 p. c. 200 lb bbls.....lb	.39	: .40	Banda, No. 1 cases.....lb	.65	: .67
Galbanum Gum, cans.....lb	.80	: .95	Ipecac Root, Cartagena, bags....lb	1.80	: 1.90	Ratavia, No. 2 cases.....lb	.60	: .61
Gambier Gum, bags.....lb	.11	: .11½	Powdered, 220 lb bbls boxes..lb	2.10	: 2.20	West Indian, cases.....lb	.58	: .60
Gamboge Gum, 160 lb cases.....lb	.78	: .80	Rio Whole, bags.....lb	1.80	: 1.90	Malva Flowers, blue bales.....lb	.38	: .40
Powdered, cases.....lb	.87	: .90	Powdered, 200 lb bbls. bxs. lb	2.10	: 2.20	Black, bales.....lb	.55	: .60
Gelsemium Root, bags.....lb	.11	: .11½	Isinglass, American, 130 lb cs..lb	.75	: .80	Manna, large flake cases.....lb	.95	: 1.00
Gentiana Root, bags.....lb	.09	: .10	Russian (Beluga) bxs. ctns..lb	4.00	: 4.50	Small flake, cases.....lb	.52	: .55
Ginger, African, bags.....lb	.17	: .17½	JABORANDI LEAVES, bales.....lb	.10	: .10½	Sorts, cases.....lb	...	: .30
Jamaica, grinding, bags, bbls....lb	.29	: .34	Jalap Root, whole, 150 lb bags..lb	.30	: .32	Mandrake Root, bags.....lb	.17	: .18
Japan, bags.....lb	.16½	: .17	Powdered, USP, 250 lb bbls....lb	.35	: .37	Mastic Gum, 120 lb cans.....lb	.50	: .55
Cochin, ABC & Lemon, bags....lb	.19	: .20	Job's Tears, white bags.....lb	.10	: .12	Mezerion Bark, bags.....lb	.11	: .12
Ginseng Root, cultivated, bags....lb	8.00	: 10.00	Juniper Berries, 125 lb bags....lb	.03	: .03½	Matric Leaves, bales.....lb	.16	: .18
Northwestern Wild, bags.....lb	12.00	: 14.00	KAMALA, boxes.....lb	1.10	: 1.20	Marjoram Leaves, German bales..lb	.16	: .19
Southern Wild, bags.....lb	9.00	: 11.00	Karaya Gum, powdered, bbls....lb	.12	: .13	French, bales.....lb	.11½	: .12
Golden Seal Root, bags.....lb	3.60	: 3.70	Kava Kava Root, bags.....lb	.13½	: .15	Millet Seed, dom. yellow bags...lb	.03	: .04
Powdered, boxes.....lb	3.85	: 3.95	Kino Gum, black cases.....lb	.50	: .55	Momon Wax, crude bags.....lb	.05½	: .06
Grains of Paradise, bags.....lb	.10	: .11	Kola Nuts, 150 lb bags.....lb	.04½	: .05	Bleached.....lb	...	: .08½
			Kousoo Flowers, bags.....lb	2.00	: 2.50	Moss, Ireland bales.....lb	.08	: .08½
						Irish, bleached, bales.....lb	.10½	: .11
						Selected, bales.....lb	.09	: .09½
						Mullein Flowers, tins.....lb	1.00	: 1.10

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BALSAMS								
Cupaliba, Para, 80 lb cs.	28	.30	Canella Alba Bark, bales.	.50	.52	Civet, Abyssin horns	2.75	3.75
South American, 80 lb. cs.	.35	.37	Cannabis, true imp. bags.	..	..	Clover Tops, bags	.20	.22
Flr Canada, cans	..	12.50	American (no assay) bales.	.30	.40	Clover, Zanzibar, 135 lb bales.	.27	.27 1/2
Oregon, bbls., cans	1.20	1.30	USP	.70	.85	Ambrosia, bales	.31	.32
Peru, 120 lb cases	1.80	1.90	Cantharides, Chinese cases	.90	.95	Penang, bales	.40	.42
Tolu, 90 lb cases	1.85	1.95	Powdered, boxes	1.05	1.10	Cochineal, USP, boxes	.34	.35
Bamboo Brier Root, bags	.05 1/2	.06	Cantharides, Russian, cases	.90	.95	Coca Leaves, Huanuco bags	..	..
Barberry Bark, tree bales	.12	.13	Powdered, boxes	1.00	1.10	Truxillo, bags	..	.50
Root, bags	..	..	Caraway Seed, African, bags	.17	.17 1/2	Cochos Root, Black bags	.09	.11
Bayberry Bark, bales	.10	.12	Dutch, 110 lb bags	.17	.17 1/2	Blue, bags	.11 1/2	.12 1/2
Wax, bbls.	.21	.22	Cardamon, bleach, cases	1.65	1.80	Colchicum Root, bags	.07	.08
Belladonna Leaves, bales	.24	.26	Decorated, cases	1.60	1.65	Seed, bags	.08	.09
Root, bags	.11	.12	Green, grading, bags	1.00	1.10	Colocynth, apples, cases, bales	..	.25
Bees Wax, white cases	.40	.42	Carauaba Wax, Flor. bags	.44	.45	Pulp, USP, bales	.30	.32
Yellow, refined, cases	.28	.31	No. 1 N Country bags	.36	.38	Colombo Root, whole bags	.02 1/2	.05
Crude, bags	.23	.26	No. 2 N Country bags	.29	.30	Coltsfoot Leaves, bags	.05	.06
Benzoin Gum, Siam, boxes	1.30	1.35	No. 3 Fatty Gray, bags	.20	.22	Condrey Root, bags	.13	.14
Sumatra, 80 lb boxes	.22	.25	No. 3 Chalky, bags	.20	.22	Condurango Bark, bales	.35	.38
Berberis Aquifolium Root, bags	.13	.14	Cascara Sagrada, bales, 1920-22	1.25	1.35	Copiba Balsam Para, see Balsams	.12	.14
Beth Root, bags	.35	.30	bark	.30	.32	Copal Gum	.12	.13 1/2
Bitter Root, 100 lb bags	.40	.42	1923 bark	.29	.30	Coriander Seed, Bombay bags	.06 1/2	.07
Blackhaw Bark, root, bales	.37	.39	Cascarilla Bark, quills bales	..	..	Morocco, bags	.08	.08 1/2
Tree, bales	.19	.21	Siftings, bbls.	..	..	Bleached, bags	.13	.14
Black Indian Root, 100 lb bags	.40	.42	Cassia Buds, 66 lb cases	.12	.13 1/2	Corn Silk, bales	.04 1/2	.05 1/2
Blood Root, bags	.14	.15	China, Whole Rolls, cases	.10	.10 1/2	Cotton Root Bark, bales	.12	.14
Blueflag Root, bags	..	..	Saigon, assort. bales	.22 1/2	.24	Cowhage, oz. tins	..	.60
Boldo Leaves, bales	.20	.21	Cassia Fistula, baskets	.09	.10	Cramp Bark, so-called bales	.07	.08
Boneset Herb, bales	.07	.08	Castor Beans, bags	.03	.03 1/2	True, bags	.30	.32
Borage Flowers, bales	.16	.20	Castoreum, 1 lb bot.	4.00	4.50	Cranesbill Root, bags	.16	.18
Bryonia Root, bags	.09	.10	Catechu Gum, bags	.09	.10	CUBE BERRIES, XX bags	.65	.68
BUCHU LEAVES, short, 250 lb			CHAMOMILE FLOWERS, Roman					
bales	.76	.85	bales	.63	.68	Powdered, boxes	.70	.73
Less, bales	.84	.93	Hung. cases bales	.07	.07 1/2	Culver Root, bags	.25	.27
Long, bales	..	..	Charcoal Willow, powd. bbls.	.06	.06 1/2	Cumin Seed, Levant bags	.22	.23
Buckthorn Bark, bags	.05 1/2	.06	Wood, powd. bbls.	.04	.05	Morocco, bags	.24 1/2	.25
Burdock Root, bags	.14	.18	Chestnut Bark, bags	.07	.08	Cuttlefish Bone, Trieste, straps	.13	.14
Burgundy Pitch, oom., 110 lb stands	..	..	Herb, bales	.06	.06 1/2	Jewelers, large, straps	..	.50
Gross for net	..	.05	Chicle Gum, bags	.60	.65	Small, straps	..	.35
Calabar Beans, bags	.12	.14	Chiretta, bales	.10	.12	French straps	.13 1/2	.14
Calamus Root, bleached cases	.33	.35	Cinchona Bark, red quills bales	.48	.50	Powdered, boxes	.13	.14
Unbleached, bags	.06	.07	Broken, bales	.23	.25	Broken, boxes	..	.07
Calliandra Petals, imp. bales	.22	.23	Cinnamon, Ceylon, bales	.26 1/2	.27	Damar Gum, 136 lb cases	.24	.25
Callisaya Bark, bales, powd.	.25	.26	Broken, bales	.16	.20	Damiana Leaves, bales	.13	.15
Camphor, see Chemicals	..	..				Dandelion Root, imp., bags	.32	.34
Canary Seed, Morocco bags	.07 1/2	.08 1/2				Deer Tongue Leaves, bales	.13 1/2	.14 1/2
South American, bags	.07	.07 1/2				Digitalis Leaves, bales	.07	.08
Candelilla Wax, bags	.23	.25				Dill Seed, bags	.08	.08 1/2

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Musk, pods, Carbadine, tins...cs	16.00	: 17.00	Patchouli Leaves, bales.....D	.16	: .18	Rosemary Flowers, cases bales...D	.25	: .28
Tonquin.....cs	22.00	: 25.00	Pennyroyal Herb, bales.....D	.08	: .12	Rose Petals, pale.....D	.22	: .25
Grain Cab.....cs	25.00	: 26.00	Pepper, black Sing, bags.....D	.11	: .12	Red.....D	.65	: .70
Tonquin.....cs	25.00	: 26.00	White, bags.....D	.15	: .16	Rue Herb, bales.....D	.18	: .22
Synthetic, see Chemicals.....D			Peppers, red Mombasa, bags.....D	.08	: .09	SABADILLA SEED, bags.....D	.13	: .14
Musk Root, Russian bags.....D		4.25	Cherries, bags.....D	.12	: .14	Powder, bbls.....D	.15	: .16
Mustard Seed, Bari brown bags..D	.11	: .12	Bombay, bags.....D	.10	: .11	Saffron Flowers, Amer. bales...D	.75	: .80
Bombay, brown.....D	.10	: .11	Japan, bags.....D	.22	: .24	Valencia, 1 lb cases.....D	38.00	: 39.00
California, brown.....D	.11	: .11	Peppermint Leaves, imp. bales..D	.33	: .38	Sage, Dalmatian bales.....D	.05	: .06
Yellow.....D	.11	: .11	Cuba, bales.....D	.22	: .24	Greek, bales.....D	.04	: .04
Chinese yellow.....D	.04	: .04	Domestic leaf.....D	.32	: .34	Spanish, bales.....D	.03	: .03
English, yellow.....D	.09	: .09	Peru Balsam, see Balsams.....D			Sandalwood, chips bags.....D	.30	: .30
Dutch, yellow.....D	.07	: .08	Pichl Leaves, bags.....D	.40	: .45	Ground, bags.....D	.35	: .35
Danish, yellow.....D	.08	: .09	Pimento, select bags.....D	.05	: .06	Sandarac Gum, 300 lb bbls...D	.29	: .31
Myrrh Gum, select 200 lb cs.....D	.30	: .33	Pink Root, true bags.....D	.95	: 1.05	Sarsaparilla Root Honduras, balesD	.60	: .62
Seris, cases.....D	.25	: .27	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....D	.19	: .20
NUTGALLS, Chinese, bags.....D	.17	: .18	Plumery Root, bags.....D	.22	: .22	Sassafras Bark, ordinary bales...D	.15	: .17
Alepp, bags.....D	.14	: .15	Plantain Leaves, bales.....D	.15	: .15	Select, bales.....D	.30	: .32
Nutmegs, 110s cases.....D	.39	: .41	Poke Berries, bags.....D	.08	: .09	Savory Leaves, bales.....D	.08	: .07
75s, 80s cases.....D	.43	: .45	Pomegranate Bark, of root bags..D	.30	: .30	Saw Palmetto Berries, bags.....D	.05	: .10
Nux Vomica Buttons, bags.....D	.04	: .05	Of Fruit, bags.....D	.30	: .30	Scammony Root, bags.....D	.06	: .07
Powdered, 200 lb bbls.....D	.08	: .09	Of Tree.....D	.30	: .30	Senega Root, bags.....D	.62	: .63
OAK BARK, red bags.....D	.05	: .06	Poppy Flowers, red bags.....D	.25	: .28	SENNA, Alex. 150 lb cases.....D	.22	: .24
White, bags.....D	.06	: .07	Poppy Seed, Dutch, bags.....D	.06	: .07	Half Leaf, 350 lb bales.....D	.14	: .16
Olibanum Gum, sift 280 lb cases..D	.08	: .09	German, bags.....D	.06	: .07	Siftings, 400 lb bales.....D	.10	: .11
Tears, 280 lb cases.....D	.11	: .12	Turkish, bags.....D	.06	: .08	Powdered, 200 lb bbls.....D	.12	: .14
No. 1, all white 280 lb cases.....D	.22	: .23	Blue Indian, bags.....D	.08	: .08	Tinnerelly, job, 350 lb bbls...D	.11	: .14
Opium, gum, USP, cases.....D	9.00	: 10.00	White Indian, bags.....D	.07	: .07	Grinding, 350 lb bales.....D	.05	: .06
Granular, cases.....D	10.00	: 11.00	Prickly Ash Bark, Southern, bags..D	.32	: .34	Powdered, 200 lb bbls.....D	.08	: .09
Powdered, USP, cases.....D	10.00	: 11.00	Northern, bags.....D	.14	: .16	Pods, 350 lb bales.....D	.22	: .24
Orange Flowers, cases.....D	.50	: 1.00	Prickly Ash Berries, bags.....D	.30	: .35	Serpentina Root, bags.....D	.85	: .87
Orange Peel, bitter, bags.....D	.07	: .07	Prince's Pine, bales.....D	.16	: .18	Shellac, D.C., bags.....D	.74	: .75
Sweet, bags.....D	.08	: .09	Pulsatilla Herb, bags.....D	.14	: .16	V.S.O., bags.....D	.74	: .75
ORRIS ROOT Florentine bold bags..D	.07	: .08	Pumpkin Seed, bags.....D	.07	: .08	Diamond I, bags.....D	.73	: .74
Powdered, 200 lb bbls.....D	.09	: .10	QUASSIA CHIPS, bags.....D	.07	: .08	Superfine, Orange, bags.....D	.58	: .59
Verona, bags.....D	.05	: .06	Queen of the Meadow Herb, bags..D	.05	: .06	Fine, bags.....D	.58	: .59
Powdered, 200 lb bbls.....D	.07	: .09	Quince Seed, bags.....D	.75	: 1.00	T.N., bags.....D	.54	: .55
Vinora, cases.....D	.55	: .60	RAPE SEED, South Amer. bags...D	.04	: .04	Garrot, A. C.....D	.53	: .54
Ockerite Wax, brown hard bags..D	.32	: .34	Dutch, bags.....D	.05	: .06	Boston, bags.....D	.69	: .70
Green, hard bags.....D	.27	: .28	Japanese, small, bags.....D	.05	: .06	Biosched, ground, bbls.....D	.85	: .87
Reddied, yellow bags.....D	.20	: .21	Raspberries, dried boxes.....D	.50	: .60	Bone dry, bbls.....D	.85	: .86
PAPRIKA, bags.....D	.20	: .21	Red Saunders.....D	.17	: .19	Simaruba Bark, bales.....D	.07	: .08
Hungarian, bags.....D	.28	: .28	Rhastary Root, bags.....D	.10	: .11	Sideritis Herb, cut bags.....D	.15	: .18
Pareira Brava Root, bags.....D	.12	: .14	RHUBARB, Root, H. D., cases..D	.30	: .32	Skullcap Leaves, Eastern, bales..D	.70	: .75
Parsley Seed, bags.....D	.09	: .10	Powdered, 200 lb bbls.....D	.35	: .37	Western, bales.....D	.45	: .47
			Rosemary Leaves, bales.....D	.04	: .05	Sloe Berries, bags.....D	.03	: .04

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Snake Root, Canada natural bags..	.45	.50
Stripped, bags50	.65
SOAP BARK, whole, 150-200 lb		
bales .....	.08	.09
Cut, 125-175 lb bags .....	.09 1/4	.10
Crushed, 200 lb bbls. ....	.11	.12
Powdered, 200 lb bbls. ....	.12	.13
Spearmint Leaves, American bales..	.15	.24
Spermaceti, blocks cakes cases...	.38	.42
Spernard Root, bags .....	.25	.27
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales .....	.18	.20
Squills, white .....	.04 1/2	.05
Powdered, bulk .....	.35	.41
Stavesacre Seed, bags .....	.42	.45
Sticklac, Siam, 350 lb bales .....	.39	.40
Stillingia Root, bags .....	.11 1/2	.12
Stone Root, bags .....	.09	.10
Storax, liquid artif. ....	.70	.75
Gen. USP .....	.90	1.00
St. Ignatius Beans, bags .....	.12	.13
St. John's Bread, bags .....	.03	.05
Stramonium Leaves, bales .....	.06 1/2	.07 1/2
Stramonium Seed, bags .....	.12	.13
Strophanthus Seed, Rispidus. ....	.35	.40
Kombe, bags .....	.30	.35
Sunflower Seed, domestic bags .....	.05 1/2	.06
South American, bags .....	.05	.05 1/2
TAGALDER BARK, bags		
Tamarinds, bbls. ....	.05	.08
Keys .....	.05 1/2	.06
Tansy Herb, bales	per keg	3.50
Tansy Herb, bales .....	.18	.19
Tar, Barbadoes, 50 gal. bbls.	gal	1.40
Thus Gum, 280 lb bbls. ....	.07	.08
Thyme, Spanish bales .....	.05 1/2	.06 1/2
French, bales .....	.07 1/2	.08
Tilia, See Linden		
Tolu Balsam, see Balsam		
Tonga Bark, bags .....	.27	.29
Tonka Beans, Angostura, cases.	2.15	2.25
Para, cases .....	.75	.80
Surinam, cases .....	...	...

Tragacanth Gum, No. 1, ribbon	1.20	1.25
180 lb cs. ....	.90	1.20
No. 2 to No. 6, cases. ....	.85	.90
Powdered, 50 lb boxes. ....	.70	.85
Turkish, cases .....	...	...
Turmeric Root, Madras bags. ....	...	...
Aleppy, bags .....	.10 1/2	.10 1/2
Powdered .....	.12	.13
China, bags .....	.08 1/2	.09
Turpentine, Venice, true 80 lb cs. ....	.15	.16
Artificial, 80 lb cases. ....	.13	.15
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales .....	.04 1/2	.05
VALERIAN ROOT, Belgian bags.		
Vanilla Beans Mex. whole cases.	13.00	14.00
Cuts, cases	11.00	11.50
Bourbon, cases	12.00	13.00
South American, cases .....	...	...
Tahiti, yellow label cases.	7.00	7.50
Green Label, cases .....	...	...
Vetiver Root, 100 lb bags .....	.25	.26
Violet Flowers, bags .....	.70	.75
WAHOO BARK, of root bags.		
Of Tree, bags	1.00	1.10
White Pine Bark, rosead, bags. ....	.07 1/2	.08
White Poplar Bark, bags. ....	.06	.07
Wild Cherry Bark, thin green		
Rosead, bales .....	.12	.14
Thick Rosead, bales .....	.08 1/2	.09
Thin Natural, bales .....	.09 1/2	.10
Thick Natural, bales .....	.06	.07
Willow, bark bags .....	...	.06
White, bags .....	...	.15
Witch Hazel Bark, bags .....	.07	.08
Witch Hazel Leaves, bales .....	.07 1/2	.08
Worm Seed, American bags .....	.08 1/2	.09
Levant bags	5.25	5.50
Wormwood Herb, imported bales. ....	...	.10
Yacca Gum, red .....	.04	.04 1/2
Ground .....	.05 1/2	.06 1/2
YELLOW DOCK ROOT, bags.		
Yellow Parilla Root, bags. ....	.12	.14
Yellow Parilla Root, bags. ....	.16	.17
Yerba Santa, bags .....	.09 1/2	.10
Zedoary Root, bags .....	.11	.12

Essential Oils

Almond Bitter USP 5 lb bot.	3.25	3.50
Bitter ff PA 5 lb bbls.	3.25	3.50
Sweet, 56 lb cans .....	.40	.45
Peach Kernel, 55 lb tins. ....	.24	.25
Apriort, see Peach Kernel		
Amber, crude 25 lb tins. ....	.70	.75
Rectified, 25 lb tins. ....	.90	.95
Angelica Root, 1 lb bot.	32.00	36.00
ANISE, Tech., 68 lb case. ....	.50	.52
USP, 50 lb tins .....	.52 1/2	.55
Bay, 25 lb tins	2.25	2.35
Bergamot, 25 lb coppers	3.60	3.80
Artificial, 25 lb cans.	2.25	2.40
Birch Tar, rect. 5 lb bot.	1.00	1.10
Crude, 50 lb tins. ....	.30	.50
Bois de Rose, 25 lb tins.	4.00	4.50
Cajuput, native, 50 lb tins. ....	.77 1/2	.80
Calamus, 5 lb bot.	4.20	4.65
Camphor, heavy, 1000 lb drums. ....	.14	.15
Japanese, white, 72 lb cases. ....	.13	.14
White, 1000 lb drums. ....	.12 1/2	.14
Cananga, native 25 lb tins.	2.00	2.25
Rectified, 25 lb tins	2.75	3.00
Caraway, USP	6.25	6.50
Cardamom, USP, 1 lb bot.	28.00	30.00
Carrol, 5 lb bot.	15.00	16.00
CASSIA, 80-85 p.c. 400 lb drms.	1.45	1.60
Redistilled, USP, 50 lb cans.	2.00	2.10
Cedar Leaf, 50 lb tins.	1.00	1.05
Cedar Wood, light 1000 lb drums. ....	.42	.44
Celery, 1 lb bot.	10.00	11.00
Chaulmoogra, 80 lb cases. ....	.85	.90
Cinnamon, Ceylon, 1 lb bot.	11.00	12.50
Leaf, 5 lb bot.	1.45	1.60
CITRONELLA, Ceylon,		
1000 lb drums .....	.80	.90
50 lb tins .....	.83	.93
Java, 400 lb drums	1.20	1.25
50 lb tins	1.25	1.30
Cloves, USP, 50 lb cans.	1.75	1.85
6 lb bot.	1.85	1.95

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Copaiba, USP, 50 lb tins.....	40	: 42
Coriander, USP, 1 lb bot.....	12.00	: 12.50
Croton, USP, 25 lb tins.....	1.00	: 1.10
Cubebs, USP, 5 lb bot.....	5.00	: 5.25
Cumin, 1 lb bot.....	12.00	: 12.50
Dill, 1 lb bot.....	4.25	: 4.50
Erigeron, 20 lb tins.....	1.30	: 1.40
EUCALYPTUS, Austl. USP		
56 lb. cs.....	55	: 58
500 lb drums.....	55	: 58
Fennel, USP, 25 lb tins.....	90	: 1.10
Geranium, Algerian, 25 lb tins..	7.75	: 8.50
Bourbon, 25 lb tins.....	6.75	: 8.50
Turkish, 28 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	8.75	: 10.00
Gingergrass, 28 lb tins.....	2.75	: 3.00
Hemlock, 50 lb cans.....	.95	: 1.00
Juniper Berries, USP, 25 lb tins..	1.25	: 1.30
Wood, 50 lb tins.....	.50	: .60
Lavender, USP, 28 lb tins.....	4.50	: 6.00
Spike, Spanish, 50 lb cans.....	.85	: 1.00
LEMON, Ital. USP, 25 lb tins.....	.80	: .90
American, USP, 25 lb tins.....	.75	: .80
Lemongrass, native, 50 lb cans.....	.75	: .85
Limes, express, 25 lb tins.....	2.00	: 2.10
Distilled, 25 lb tins.....	1.05	: 1.15
Linaloe, Mex. 80 lb cans.....	3.50	: 3.75
Mace, distilled, 50 lb tins.....	1.35	: 1.40
Mirbane, ref., see Ar. Chemicals	...	: 14.00
Artif., USP, 1 lb bot.....	3.00	: 3.15
Neroli, Bigarade, 1/2 & 1 lb bot..	40.00	: 60.00
Petal, 1 lb bot.....	90.00	: 120.00
Artificial, 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	1.35	: 1.40
Orange, bitter, 25 lb tins.....	2.70	: 3.00
Sweet, W. Ind., 25 lb tins.....	2.60	: 2.75
Italian, 25 lb cop.....	3.00	: 3.30
American, 25 lb tins.....	3.00	: 3.10
Distilled, 25 lb tins.....	1.50	: 1.75
Spandib, 25 lb tins.....	2.75	: 3.00
Origanum, 50 lb cans tech.....	.30	: .35
Parsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	4.60	: 4.75
Pennyroyal, dom. 25 lb tins.....	2.00	: 2.25
Imported, 25 lb tins.....	1.80	: 1.95
PEPPERMINT, nat. 60 lb cases.....	3.80	: 4.00
Reclst., USP, 60 lb cases.....	4.15	: 4.35
Petit Grain, S. Am. 25 lb tins..	1.85	: 2.00
French, 1 lb bot.....	7.00	: 8.00
Italian, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	2.00	: 2.10
Pinus Sylvestris, 25 lb tins.....	...	: 1.40
Pumilio, USP, 25 lb tins.....	...	: 2.25
Rose, Fr., 8, 16 & 32 oz. pgs. cs	...	: 9.00
Bulg., 8, 16 & 32 oz. pgs. cs	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins.....	.42	: .46
1000 lb drums.....	.35	: .40
Tech., 27 1/2 lb tins.....	.35	: .40
Rue, 1 lb bot.....	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	6.25	: 6.50
W. Indian, (Amgris) 25 lb tins..	2.75	: 2.90
Sassafras, USP, 50 lb cans.....	1.30	: 1.40
Artificial, 1000 lb drs., 60 lb cases	.34	: .36
Savin, 5 lb tins.....	2.50	: 2.75
Spearmint, USP, 60 lb cases.....	2.75	: 2.85
Spruce, 50 lb tins.....	.95	: 1.00
Tansy Amer., 20 lb tins.....	3.50	: 3.75
Tar, 50 gal. bbls.....	.25	: .28
Refined, USP 25 lb tins.....	...	: ..
Thyme, red, USP, 25 lb tins.....	.85	: 1.00
White, USP, 25 lb tins.....	1.00	: 1.10
Tech., 110 lb drums.....	.30	: .35
Vetiver, Bourbon, 1 lb bot.....	11.00	: 14.00
Java, 1 lb bot.....	30.00	: 32.00
Wine, heavy 1 lb bot.....	...	: 1.50
WINTERGREEN		
Sweet bch., 25 lb tins.....	2.50	: 3.00
Southern, 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	4.00	: 4.25
Synthetic, USP, 50 lb cases.....	...	: .47
Wormseed Balt., USP, 25 lb tins..	4.50	: 4.60
Wormwood dom., 25 lb tins.....	3.50	: 4.00
Ylang Ylang, Bourbon 10 lb tins	...	: ..
No. 1.....	6.00	: 8.00
No. 2.....	5.00	: 6.00
Manila, 1 lb bot.....	28.00	: 40.00
Artificial, 1 lb bot.....	10.00	: 12.00
OLEORESINS		
Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	2.00	: 2.25
Ginger, 5 lb bot.....	3.35	: 3.60
Cubebs, USP, 1 lb bot.....	4.50	: 4.75
Malefern, See Aspidium	...	: ..
Orris 1 lb bot.....	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.25	: 1.75
Borneol, 1 lb bot.....	...	: 8.50
CITRAL, 25 lb cans.....	2.75	: 3.00
Citronellal, 1 lb bot.....	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans.....	.77 1/2	: .80
Eugenol, USP, 25 lb cans.....	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	3.25	: 3.50
Imported, 5 lb bot.....	3.75	: 4.50
Extra.....	6.50	: 7.50
Iso-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.50	: 6.50
Linalol, 5 lb bot.....	6.25	: 7.50
Front Bois de Rose, 5 lb bot..	11.00	: 12.75
MENTHOL, 60 lb cases.....	...	: 11.25
Less cases, 5 lb cans.....	...	: 11.75
Rhodinol, 1 lb bot.....	18.00	: 21.00
Extra, 1 lb bot.....	40.00	: 47.00
SAFROL, 60 lb cans.....	.45	: .47
Thymol, USP, 25 lb tins.....	3.00	: 3.10

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot..	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	4.25	: 4.50
Aldehyde C-8 (Octyl), 1 lb bot..	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot..	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	70.00	: 80.00
Aubepine, see Anisic Aldehyde	...	: ..
Amyl Acetate, pure 5 gal. cans. gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	4.00	: 4.50
Amyl Formate, 1 lb bot.....	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot..	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb chys.	1.45	: 1.55
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys..	1.50	: 1.60
PPC, 40 lb chys.....	1.60	: 1.75
Benzole Ether, See Ethyl Benzene	...	: ..
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....lb	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb bot....lb	4.75	: 5.00	Skatol, 1oz. bot.....oz	7.00	: 7.25
BENZYL BENZOATE, 5 lb bot.....lb	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported...lb	5.25	: 5.50	Terpinyl Acetate, 25 lb cans....lb	1.65	: 1.85
Medicinal FFC.....lb	1.75	: 2.00	Domestic, 5 lb bot.....lb	4.00	: 4.25	Imported, 25 lb cans.....lb	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb bot....lb	5.50	: 6.00	Linyl Acetate, 1 lb bot. Dom....lb	8.00	: 9.50	TERPINEOL, CP, 1000 lb drums.lb	.48	: .50
Benzyl Cinnamate, 1 lb bot.....lb	10.00	: 10.50	Imp., 1 lb bot.....lb	8.00	: 8.50	Cans, 50 lb.....lb	.53	: .57
Benzyl Formate, 1 lb bot.....lb	3.00	: 3.25	Linyl Benzoate, 1 lb bot.....lb	13.00	: 14.00	Absolute, 25 lb cans.....lb	.90	: 1.15
Benzyl Propionate, 1 lb bot.....lb	5.00	: 5.25	Linyl Formate, 5 lb bot.....lb	10.50	: 12.00	Imported, 25 lb cans.....lb	1.10	: 1.20
Bornyl Acetate, 1 lb bot.....lb	3.00	: 3.50	Methyl Acetophenone.....lb	4.75	: 5.00	VANILLIN, USP, 500 oz. cans...oz	...	: .49 1/2
Brometyl, 25 lb kgs.....lb	3.00	: 4.00				Cans, 16 oz., 80 oz.....oz	.50	: .51
Butyl Anthranilate, 1 lb bot.dom.lb	...	: 16.00	METHYL ANTHRANILATE dom.,			Second Hands.....oz	.42 1/2	: .45
Butyric Ether, See Ethyl Butyrate			1 lb bot.....lb	2.75	: 3.25	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....lb	3.00	: 3.25	Imported.....lb	4.50	: 5.00	Yara Yara, 1 lb cans.....lb	1.75	: 2.00
Cinnamic Alcohol, liquid 1 lb bot.lb	9.00	: 9.50	Methyl Benzoate, 5 lb bot. import.lb	2.00	: 2.25			
Crystallizable.....lb	9.50	: 10.00	Domestic, 5 lb bot.....lb	1.75	: 2.00	PERFUMERS' SUNDRIES		
Cinnamic Aldehyde.....lb	3.50	: 3.75	Methyl Cinnamate, 1 lb bot.....lb	3.50	: 3.75	Almond Meal, 25 lb cans.....lb	.28	: .30
CITRONELLOL, 1 lb bot.....lb	9.00	: 11.00	Methyl Heptenone, 1 lb bot.....lb	8.00	: 8.25	Ambergris, black, bxs.....oz	8.00	: 10.00
Imported, 1 lb bot.....lb	10.00	: 12.00	Methyl Paracresol, 1 lb bot.....lb	8.00	: 9.00	Ambergris, gray, bxs.....oz	...	: 26.00
Citronellyl Acetate, 1 lb bot.....lb	13.00	: 14.00	Methyl Phenylacetate, 5 lb bot dom.lb	3.75	: 4.00	Balsam Copaiba, Para, 80 lb cases lb	.28	: .30
COUMARIN, 25 lb cans.....lb	3.40	: 3.65	METHYL SALICYLATE, USP 500 lb			South American, 80 lb cases...lb	.35	: .37
DIETHYL PHTHALATE, 25 lb cans lb	.50	: .55	drums.....lb	...	: .45	Ba'sam Peru, 120 lb cases.....lb	1.80	: 1.90
1000 lb drs.....lb	.40	: .45	50 lb cases.....lb	...	: .47	Balsam Tolu, 96 lb cans.....lb	1.85	: 1.95
Diphenyl oxide, 25 lb tins.....lb	.85	: .90	Second Hands.....lb	.44	: .45	Benzoic Gum, Siam, bxs.....lb	1.30	: 1.35
Ethyl Acetate, pure, 5 lb bot.....lb	.45	: .50	Mirbane, rect., 1000 lb drums...lb	12 1/2	: .14	Castoreum, 1 lb bot.....lb	4.00	: 4.50
Ethyl Benzoate, 5 lb bot.....lb	1.85	: 2.00	Musk Ambrette, 1 lb cans.....lb	15.00	: 16.00	Chalk, precip. light, 175 lb bbls lb	.04 1/2	: .05
Ethyl Butyrate, 5 lb bot.....lb	1.75	: 2.00	Musk Ketone, 1 lb cans.....lb	17.00	: 18.00	Cherry Laurel Water, 5 gal cans.gal	1.15	: 1.25
Ethyl Caproate, 1 lb bot.....lb	3.25	: 3.50	Musk Xylene, 5 lb cans.....lb	4.50	: 5.00	Civet Abyssin, horns.....oz	2.75	: 3.75
Ethyl Cinnamate, 1 lb bot.....lb	3.50	: 3.75	Nerolin, 1 lb cans.....lb	1.65	: 2.00	Labdanum, 5 lb bot.....lb	...	: 8.00
Ethyl Formate, 5 lb bot.....lb	2.00	: 2.10	Oenanthe Ether, 1 lb bot.....lb	1.50	: 2.00	Lanolin hydrous, 350 lb bbls...lb	.21	: .22
Ethyl-methyl Paracresol, 1 lb bot lb	3.25	: 3.50	Phenylacetaldehyde, Dom.,			Anhydrous, 350 lb bbls.....lb	.23	: .24
Ethyl Phenylacetate, 5 lb bot.....lb	3.75	: 4.00	1 lb bot.....lb	8.00	: 10.00	Musk pods, Cabardine, tins.....oz	16.00	: 17.00
Ethyl Propionate, 1 lb bot.....lb	2.25	: 2.50	Imported.....lb	8.00	: 9.00	Tonquin, tins.....oz	22.00	: 25.00
Ethyl Valerate, 5 lb bot.....lb	4.50	: 4.75	80-85 p.e.....lb	15.00	: 18.00	Grains, Cabardine, tins.....oz	25.00	: 26.00
Ethyl Salicylate, 5 lb bot.....lb	3.25	: 3.50	Phenylacetic Acid, 1 lb bot.....lb	3.00	: 3.25	Tonquin, tins.....oz	35.00	: 38.00
Formic Ether, See Ethyl Formate			Phenyl Diacetate, 1oz. bot.....oz	3.25	: 3.50	Synthetic, See Aromatic Chemicals		
Geranyl Acetate, 1 lb bot.....lb	5.00	: 5.50	PHENYLETHYLALCOHOL dom.,			Oris Rt. Flor., powd. bbls.....lb	.09	: .10
Geranyl Butyrate, 1 lb bot.....lb	13.00	: 13.50	1 lb bot.....lb	8.00	: 10.00	Verona, bbls.....lb	.05	: .06
Geranyl Formate, 1 lb bot.....lb	12.00	: 12.50	Imported.....lb	8.00	: 9.00	Petrolatum, snow white-350 lb bbls lb	.12 1/2	: .13
Heliotropin, dom., 10-100 lbs...lb	1.85	: 2.00	Phenylethyl Butyrate, 1 lb bot....lb	26.00	: 28.00	Light Amber, 350 lb bbls.....lb	.04 1/2	: .05
Imported.....lb	2.50	: 2.75	Phenylethyl Formate, 1 lb bot....lb	19.00	: 21.00	Rice Starch, 140 lb bgs.....lb	.09	: .10
Hydroxycitronellal, 1 lb bot.....lb	12.00	: 14.00	Phenylethyl Propionate, 1 lb bot..lb	20.00	: 24.00	Rose Water, 6 2-3 gal clys.....gal	1.00	: 1.25
Indol, CP, 1oz. bot.....oz	6.00	: 6.50	Phenylethyl Valerate, 1 lb bot....lb	23.00	: 29.00	Sandalwood chips, powd., bags...lb	.30	: .35
Iosone, 1 lb bot. 100%.....lb	10.00	: 11.00	Phenylpropylalcohol, 1 lb bot....lb	15.00	: 16.00	Saponin, 5 lb tins.....lb	1.25	: 1.50
Alpha.....lb	14.50	: 16.00				Talc Italian, 220 lb bgs.....ton	40.00	: 80.00
Beta.....lb	12.75	: 14.50				Talc French, 220 lb bags.....ton	22.00	: 45.00
Methyl.....lb	16.00	: 18.90				Talc, domestic ref., 100 lb bags. ton	16.00	: 18.00

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ALBUMIN—Blood, 15 bbls., Farmers Loan & Trust Co., Trieste; **Hem**, 56 cs., Mech. & Metals Nat. Bk., Shanghai
ALCOHOL—Denatured, 110 drs., C. Esteve, San Juan; **Methyl**, 1 cse., S. H. Bergstrom, Helsingfors
AMMONIUM—Muriate, 125 cks., C. De P Field Co., Bristol; Nitrate, 108 cks., Order, Hamburg
ARSENIC—124 cks., Order, Antwerp
BALSAM—Tolu, 10 cs., Eggers & Heinlein, Puerto Colombia
BARIUM—Chloride, 61 cks., E. Suter & Co., Rotterdam; Peroxide, 332 drs., Order, London; Sulfate, 600 bgs., Order, Seville
BARKS—Cinchona, 222 bls., Order, Rotterdam; Quebracho, 25 bgs., R. J. Gates, Buenos Aires; Wattle, 2,329 bgs., Order, Natal
BENZYL ACETATE—2 cs., P. R. Dreyer, Rotterdam; 7 cs., G. Lueders & Co., Rotterdam
CALCIUM—Chloride, 156 drs., C. Hardy, Inc., Hamburg; 154 drs., C. Hardy, Inc., Hamburg
CAMPBOR—100 cs., Eastman Kodak Co., Shanghai
CASEIN—1,658 bgs., Kalbfleisch Corp., Buenos Aires
CLAY—100 cks., E. Thiele, Rotterdam; Blue, 304 tons, Moore & Munger, Bristol; 60 tons, Papermakers Import Co., Bristol; China, 114 bgs., Order, Bristol
COAL TAR—Distillate, 73 drs., Monsanto Chem. Wks., Liverpool; 60 drs., Order, Glasgow
COCHINEAL—14 bgs., Lanman & Kemp, Liverpool
COCOA BUTTER—191 bgs., Mech. & Metals Nat. Bk., Liverpool; 107 bgs., T. M. Duché & Sons, Rotterdam
COLORS—10 cks., B. Bernard, Inc., Genoa; 30 cks., Order, Bombay; 9 bbls., Internatl. Jutgalio Corp., Liverpool; 2 bgs., 1 ck., Kuttroff Pickhardt & Co., Liverpool; 2 cks., H. A. Metz & Co., Liverpool; 1 ck., Franklin Imp. & Exp. Co., Liverpool; 47 cks., Ciba Co., Havre; 2 cks., W. F. Sykes & Co., Havre; 4 cks., H. A. Metz & Co., Rotterdam; 25 cks., Kuttroff Pickhardt & Co., Rotterdam; 1 cse., Irving Bk., Trieste; 5 cks., Geigy Co., Antwerp; **Bronze**, 30 cs., Baer Bros., Bremen; 15 cs., Bk. of Manhattan Co., Bremen; **Bronze Powder**, 9 cs., B. F. Drakenfeld & Co., Bremen; **Coal Tar**, 1 cse., H. A. Metz & Co., Rotterdam; **Earth**, 156 cks., C. J. Osborn & Co., Rotterdam
CREOSOTE—1,967 tons, Order, Hull
DIVI DIVI—372 bgs., Suzarte & Whitney, Curacao
DRAGON'S BLOOD—27 cs., Chase Nat. Bk., Singapore
EXTRACTS—Archil Liqueur, 5 cks., J. Campbell & Co., Liverpool; Quebracho, 22,754 bgs., Internatl. Products Co., Buenos Aires
FLOWERS—7 bls., Peek & Velsor, Hamburg; 3 cs., J. A. De Veer, Antwerp; **Chrysanthemum**, 101 bls., Nat. City Bk., Trieste; **Pyrethrum**, 149 bls., Order, Trieste
GELATINE—75 cks., Globe Shpg. Co., Hamburg; 110 cs., Amer. Exp. Co., Rotterdam; 73 bgs., 105 bbls., H. A. Sinclair, Rotterdam; 42 cs., P. C. Zuhlke, Rotterdam
GUMS—10 bgs., Order, London; 10 cs., Order, Trieste; 60 cs., Order, Bombay; 70 bgs., General Rubber Co., Singapore; **Arabic**, 57 bgs., Order, Bombay; 1 kg., Order, Bombay; **Copal**, 420 bgs., W. Schall & Co., Antwerp; 41 bgs., Chem. Nat. Bk., Antwerp; 161 bgs., Order, Antwerp; 243 bgs., Chem. Nat. Bk., Antwerp; 1,167 bgs., Gillespie & Co., Matadi; **Damar**, 192 bgs., 33 cs., Brown Bros. & Co., Singapore; **Kadaya**, 70 bgs., Order, Bombay; 126 bgs., Brown Bros. & Co., Glasgow; **Karaya**, 990 bgs., Order, Bombay; 140 bgs., Order, Bombay; **Madras**, 1 kg., Order, Bombay; **Manila**, 115 bgs., Chartered Bk. of India Australia & China, Manila; **Olibanum**, 115 cs., Order, Bombay; **Shiraze**, 60 bgs., Order, Bombay; **Tragacanth**, 150 bgs., Order, Bombay; 394 bgs., Order, Bombay
HERBS—5 bls., S. B. Penick & Co., Hamburg; 10 bls., E. Lilly & Co., Liverpool; 21 bls., Eimer & Amend, Liverpool; 3 bls., E. C. Dietz, Liverpool
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IRON OXIDE—23 cks., Reichard Coulston, Inc., Liverpool; 46 bbls., L. H. Butcher Co., Malaga; 46 bbls., J. Lee Smith & Co., Malaga; 100 bbls., Reichard Coulston, Inc., Malaga
LEAVES—39 bls., Order, Marseilles; 17 bbls., Order, Marseilles; **Buchu**, 15 bls., S. B. Penick & Co., Capetown; 10 bls., Chase Nat. Bk., Capetown; **Digitalis**, 2 cs., Lehn & Fink, London; **Sage**, 126 bls., Order, Trieste
MENTHOL—10 cs., Order, Liverpool; 10 cs., Guaranty Trust Co., London; 2 cs., E. Fougere & Co., London; 8 cs., Order, London
MYROBALANS—10,326 bgs., Order, Bombay; 600 pkts., Order, Calcutta; 3,320 bgs., 650 pkts., Nat. City Bk., Bombay; 3,557 bgs., Order, Bombay
OILS, ESSENTIAL—269 cks., Vacuum Oil Co., Havre; 7 cs., Polaks Frutal Wks., Rotterdam; 215 cs., Order, Messina; 3 drs., Un-

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gerer & Co., Algiers; 3 drs., G. Lueders & Co., Algiers; Orange, 20 cs., Wangler Budd & Co., Kingston; Camphor, 100 drs., Chase Nat. Bk., Kobe; Cardamom, 3 cs., Order, Bombay; Cassia, 25 cs., 5 drs., Order, Hongkong; Cinnamon, 5 drs., Chem. Nat. Bk., London; Colza, 3 cks., Order, Havre; Linole, 2 drs., Order, Vera Cruz; Rosewood, 2 cs., G. Lueders Co., Havre

OILS—Palm, 163 cks., African & Eastern Trdg. Co., Liverpool; 1,149 cks., Niger Co., Accra; 314 cks., African & Eastern Trdg. Corp., Accra; 876 drs., Niger Co., Matadi; 249 cks., African & Eastern Trdg. Co., Warri; 79 cks., Niger Co., Warri; Kernel, 202 bbls., E. F. Jones & Co., Liverpool

PHOSPHORUS, AMORPHOUS—200 cs., W. E. Miller, Antwerp; 8 cs., Order, London

POTASSIUM SALTS—Alum, 30 cks., Jungmann & Co., Rotterdam; Bicarbonate, 40 kgs., R. W. Greeff & Co., Bristol; Caustic, 167 drs., Goldschmidt Corp., Hamburg; Chlorate, 300 bbls., Byrnes Co., Antwerp; 100 cks., Seaboard Nat. Bk., Liverpool; Cyanure, 12 cs., Hardy & Co., Antwerp; Hydrate, 82 bbls., Innis Speiden & Co., Hamburg; Muriate, 5,534 bgs., Soc. Comm. Des Potasses, Antwerp; Nitrate, 500 bgs., Order, Antwerp; Prussiate, 18 kgs., C. Tennant Sons & Co., Liverpool

QUICKSILVER—50 bottles, A. Pickering Co., London

ROCHELLE SALTS—10 cks., A. J. Marcus, Inc., Liverpool

ROOTS—20 bgs., E. Lilly & Co., Liverpool; 8 bls., A. Henning, Liverpool; Canagria, 40 bls., Nickells Rowland & Co., Vera Cruz; Licorice, 1,075 bls., Anglo So. Amer. Trust Co., Seville; 180 bgs., 20 cs., Order, Marseilles; 1,117 bls., 25 bgs., Anglo So. Amer. Trust Co., Seville; Medicinal, 15 bgs., Order, Bahia

ROSIN—25 cs., Order, Trieste

SAFFRON—1 cse., Magnus Mabée & Reynard, Alicante; 1 cse., P. E. Anderson & Co., Alicante; 14 cs., H. Schoenfeld & Sons, Alicante; 1 cse., Order, Alicante

SEEDS—Anise, 100 sks., Order, Barcelona; Annatto, 68 bgs., Order, Coconada; Canary, 300 bgs., Order, Cadiz; Caraway, 80 bgs., Levy & Lewis Co., Rotterdam; Cardamom, 17 cs., Order, Bombay; 42 cs., Order, Colono; 15 cs., Order, Bombay; Castor, 38,776 bgs., Order, Bombay; 4,088 bgs., Order, Coconada; 2,800 bgs., E. D. Sassoon & Co., Bombay; 1,426 bgs., Volkart Bros., Bombay; 2,800 bgs., Order, Bombay; Cumin, 972 bgs., Order, Bombay; 178 bgs., Order, Bombay; Fennel, 41 bgs., Order, Bombay; Flax, 8,872 bgs., Bingham & Co., Buenos Aires; 8,919 bgs., Bingham & Co., Buenos Aires; 106,318 bgs., Spencer Kellogg & Sons, Rosario; 93,315 bgs., Order, Buenos Aires; 35,530 bgs., L. Dreyfus & Co., Buenos Aires; Lucerne, 112 bgs., Standard Bk. of So. Amer., Capetown; 280 bgs., Order, Capetown; Mustard, 533 bgs., Order, Bombay; 28 bls., Amer. Exp. Co., Rotterdam; Rape, 150 bgs., I. L. Radwaner Seed Co., Rotterdam

SHELLAC—25 bgs., Marx & Rawolle, London; 500 bgs., Order, London; 12 cs., C. F. Gerlach, Rotterdam; 300 bgs., Brunswick Balke Colender Co., Calcutta; Garnet Lac, 25 cs., Doherr Grimm & Co., Hamburg; Sticklac, 210 bgs., Order, Karachi; 504 cs., General Rubber Co., Singapore

SODIUM SALTS—Cyanide, 156 cs., Amer. Cyanide Co., Liverpool; Prussiate, 24 cks., C. Tennant Sons & Co., Liverpool; Sulfate, 100 cks., E. Suter & Co., Antwerp; Sulfite, 100 drs., R. F. Downing & Co., Bristol

STRONTIUM NITRATE—38 cks., Lunham & Moore, Rotterdam

SULFUR BLACK—6 bgs., Order, Bombay

SUMAC—350 bgs., R. Neumann & Co., Palermo; 280 bgs., Order, Palermo; 210 bgs., Order, Palermo

TARTRATE—533 bgs., Harshaw Fuller & Goodwin, Tarragona

TURMERIC—294 bgs., Order, Bombay; 146 bgs., Order, Coconada

VANILLA BEANS—114 cs., Order, Havre; 12 cs., Thurston & Braidich, Vera Cruz; 32 cs., Dodge & Olcott Co., Vera Cruz; 8 cs., H. Triest & Co., Vera Cruz; 32 cs., Gomez & Sloan, Vera Cruz; 84 cs., Dodge & Olcott Co., Marseilles

WAX—Bees, 32 bls., Ponds Extract Co., Rotterdam; 7 bgs., Order, Leghorn; 8 bgs., Order, Alexandria; Carnauba, 189 bgs., Coal & Iron Nat. Bk., Liverpool; 406 bgs., Nat. City Bk., Ceara; 264 bgs., Lazard Freres, Ceara; 69 bgs., Duncan Hood & Co., Ceara; 224 bgs., Order, Ceara; 79 bgs., Bk. of London & So. Amer., Bahia; 85 bgs., J. H. Rossbach & Bros., Bahia; Mineral, 11 bgs., L. S. Painter, Liverpool; Spermaceti, 122 bbls., Order, Glasgow; Vegetable, 25 cs., Guaranty Trust Co., London; 100 cs., Nat. City Bk., Kobe

WOOL GREASE—90 bbls., Order, Antwerp

ZINC OXIDE, 120 bbls., Philipp Bros., Antwerp; White, 55 cs., Roessler & Hasslacher Chem. Co., Rotterdam

IMPORTS AT SAN FRANCISCO

June 14 to 21

AGAR AGAR—5 bales, Order, Kobe

ALBUMEN—56 cases, Order, Hankow; 22 cases Pacific-Orient Co., Hankow; 11 cases, Order, Taku Bar

ARSENIC—300 cases, Order, Kobe

CAMPOR—20 cases, Order, Kobe

COPRA—6,153 sacks, Order, Papeete; 2,944 sacks, Atkins, Kroll & Co., Papeete; 1,998 sacks, American Finance & Commerce Co., Papeete; 865 sacks, Williams, Dimond & Co., Papeete; 7,434 bags, Order, Singapore; 250 tons, Order, Cebu; 856 tons, Order, Legaspi; 204 tons, El Dorado Oil Works, Tabaco; 885 tons, El Dorado Oil Works, Hongkong

COPRA CAKE—3,768 sacks, Order, Manila

GRAPHITE—10 sacks, Order, Kobe

OIL—Soya Bean, 30 bbls., Order, Dairen; Wood, 200 casks, Order, Hankow

VANILLA BEANS—39 cases, Williams, Dimond & Co., Papeete; 119 cases, Order, Papeete

IMPORTS AT BALTIMORE

June 18 to 26

BARYTES—500 bags, Paul Uhlrich, Westerner, Rotterdam

CHALK—700 bags, 154,000 lbs., Atlantic Exchange Bank and Trust Co., West Cherow, Antwerp; 500 bags, Wm. H. Masson, Belgian, Antwerp

CLAY—Burnt, 420 sacks, Baltimore and Ohio Railroad, Belgium, London; 210 sacks, Baltimore & Ohio Railroad, Belgium, London

COPPER OXIDE—13 drums, 2,275 lbs., National Sales Co., West Cherow, Antwerp

FLUORSPAR—300 bags, 66,000 lbs., Harrison

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GREASE—Wool, 500 bbls., American Trust Co. Boston, Sagaparak, Hull; 100 casks, Kidder Peabody Acceptance Corporation, Westerner, Antwerp
LICORICE ROOT—6,779 bales, 1,000 tons, McAndrews, Forbes & Co., Exmoor, Basra; 23,624 bales, 3,486 tons, McAndrews, Forbes & Co., Exmoor, Basra
MANGANESE ORE—8,600 tons, Bethlehem Steel Co., Chinha, Rio de Janeiro; 4,000 tons, Carnegie Steel Co., Pinar del Rio, Antilla
OIL—Cod, 100 bbls., to order, Sagaparak, Hull; Rape, 50 bbls., to order, Sagaparak, Hull
POTASH—Muriate, 3,000 bags, French Potash Syndicate, Belgian, Antwerp
PYRITES—15,968,964 lbs., Pyrites Co., New York, Campania, Huelva
SEED—Mustard, 273 bags, 14 tons, Baltimore and Ohio Railroad, Sagaparak, Hull
SODA—Nitrate, 15,410 bags, Wessels, Duval & Co., Santa Rosalia, Iquique; 2,386 bags, Seiler & Co., Santa Rosalia, Caleta Buena
ULTRAMARINE BLUE—10 bbls., Billiard & Co., Belgian, Antwerp

IMPORTS AT PHILADELPHIA

June 18 to 25

ACID—Formic, 65 balloons, R. W. Greeff & Co., Rotterdam; 32 carboys, Order, Rotterdam
BARK—Cinchona, 634 bales, Order, Rotterdam

BARIIUM—Hydroxide, 22 bbls., Order, Hamburg
BARYTES ORE—370 kilos, Phila. Nat. Bank, Rotterdam; 37 casks, Order, Hamburg
BAUXITE—2,429 tons, General Chemical Co., Georgetown
CALCIUM—Chloride, 10 drums, Orders, Hamburg
CHALK—500 tons, Brown Bros. & Co., London
CHEMICALS—224 bags, Brown Bros. & Co., Glasgow
CLAY—Blue, 300 tons, United Clay Mines Corp., London
FLUORSPAR—728 tons, 14 cwt., Crocker Bros., Manchester
IRON CHLORIDE—21 bbls., Order, Hamburg
NUTMEGS—211 pkgs., Order, Rotterdam
OIL—Cod Liver, 25 bbls., Order, Rotterdam; Olive, 250 cases, Order, Genoa; **Palm Kernel**, 143 bbls., Order, Liverpool; **Sulfur**, 100 bbls., Phila. Nat. Bank, Leghorn; 200 bbls., Order, Naples
POTASH—Alum, 120 bbls., Order, Hamburg
PYRIDINE—5 drums, Baldwin Shipping Co., Rotterdam
PYRITES—7,100 tons, The Pyrites Co., Huelva
ROOT—Licorice, 5,388 lbs., MacAndrews & Forbes Co., Killini
SALT—325,000 kilos, Corn Exchange Nat. Bk., Rotterdam; 330,200 kilos, Corn Exchange Nat. Bank, Hamburg

SODIUM—Chlorate, 1 cask, E. I. du Pont de Nemours & Co., Rotterdam; **Prussiate**, Yellow, 106 casks, Order, Rotterdam
STARCH—Potato, 100 bags, Order, Rotterdam
SUMAC—700 bags, Order, Palermo
TAR RESIDUE—330 casks, O. G. Hempstead & Son, Rotterdam
WOOD FLOUR—700 bbls., Order, Rotterdam

IMPORTS AT NEW ORLEANS

June 20 to 27

BARIIUM—Carbonate, 110,230 lbs., Order, Germany
BAUXITE—2,565 tons, Republic Mfg. Co., Georgetown
CREOSOTE—1,258,758 gallons, Order, Belgium; 6,062 tons, Order, London
IRON—Oxide, 34 bbls., Order, Spain
POTASH—Caustic, 29,944 lbs., Order, Germany; **Sulfate**, 27 tons, Order, Germany; 46 tons, Order, Germany; 800 bags, Order, Hamburg
ROSIN—125 bbls., Order, Brazil; 250 bbls., Order, Genoa; 1,350 bbls., Order, Brazil; 299 bbls., Order, Havana
SALTPETRE—44,092 lbs., Order, Netherlands
SEED—Flax, 39,770 bushels, Order, Argentina
TURPENTINE—1,000 cases, Order, Brazil
WAX—272 bags, Order, Brazil; 250 tons, Order, Genoa

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases

Commodity	Number	City and Country	Purchase or Agency
Acetate of lime, acetic acid	10656	Milan, Italy	Agency
Chemicals	10650	Cologne, Germany	Purchase
Chemicals, brewers', heavy			
chemicals	10645	Lille, France	Agency
Chemicals, heavy	10653	Florence, Italy	Agency
Chemicals, photographic	10711	Giza, Egypt	Purchase
Colors and coloring supplies, best quality	10652	Florence, Italy	Purchase
Colors and paints, metal (dry)	10651	Amsterdam, Netherlands	
Dyes	10647	Bahia, Brazil	Agency
Dyestuffs	10688	Batavia, Java	Purchase
Naval stores	10646	Melbourne, Australia	Agency
Oil, linseed	10688	Batavia, Java	Purchase
Oils, essential	10644	Hamburg, Germany	Agency
Paints and varnishes	10693	Durban, South Africa	Agency
Rosin	10647	Bahia, Brazil	Agency
Rosin	10648	San Jose, Costa Rica	Purchase
Slag, basic	10654	Kingston, Jamaica	Purchase
Soda, caustic	10647	Bahia, Brazil	Agency
Soda, caustic	10648	San Jose, Costa Rica	Purchase
Soda, caustic	10649	Hamburg, Germany	Purchase
Soda, caustic	10688	Batavia, Java	Purchase
Soda, phosphate and nitrate of	10654	Kingston, Jamaica	Purchase

SCARCITY OF QUEBRACHO IN GERMANY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 2.—Manufacturers of tanning extracts in the Frankfort district of Germany are fully occupied and the trade is reported to have been exceptionally good since the beginning of March notwithstanding the scarcity of ready cash, according to a report received by the Department of Commerce from American Consul Dumont at Frankfort. The report discussing the German tanning material market continues: The export trade in tanning extracts, however, is, and has been very poor. On account of the high prices of German tanning products, it is no longer possible for manufacturers of quebracho extracts to compete successfully with South American exporters of extracts in solid form. There is said to be a considerable scarcity of quebracho wood, owing to the comparatively small quantity which has reached Germany from Argentina in the past few weeks, but there is a plentiful supply of wattle bark and other imported raw stuffs. The market for domestic tanned bark in April was very quiet, and the results of the oak bark auctions have been very unsatisfactory. In the upper Hessen forests in the vicinity of Friedberg prices for oak bark ranged from 5.40 to 7.85 gold marks per 50 kilos f.o.b. forests, while at the sales of the Verein badischer Schwaldbesitzer the offers for first quality bark ranged from 4.60 to 5.55 gold marks per 50 kilos, f.o.b. railway stations.

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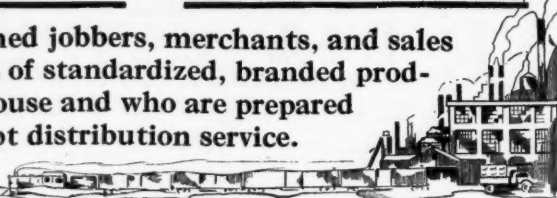
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SALESMAN, 31 years, college training with some chemistry, familiar with industrial chemicals, open for new connection August 1st. Box 760, DRUG & CHEMICAL MARKETS.

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WELL KNOWN RESEARCH CHEMIST desires consultation or permanent position in colloids, drugs, pharmaceuticals, textiles. Highest American references for chemical skill, personal integrity and business capacity. Extensive patent record. Broad experience in finding and establishing new products and processes. Able negotiator. Can furnish laboratory if required. Box 778, DRUG & CHEMICAL MARKETS.

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A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

WORKS CHEMIST—Fish cannery developing by-products and oils desires services of a University man with chemico-technical training and the ability to manage their works at Pacific Coast. The position carries a good salary and an opportunity for a man with requisite experience and capabilities. Please write fully in confidence. Box 768, DRUG & CHEMICAL MARKETS.

DRUGGISTS GLASSWARE—Established house wants salesman to call on wholesale and drug sundry houses in Middle West. Drawing account and bonus in good territory to the right man. Box 773, DRUG & CHEMICAL MARKETS.

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LABORATORY HELPER—Fatty oil chemist has place in his consulting and analytical laboratory during the summer vacation periods for a college student with at least two years chemistry. Pay is small, but experience is varied and work holds opportunity to learn practical laboratory methods and technique, and the possibility of a permanent position after graduation. Box 754, DRUG & CHEMICAL MARKETS.

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WANTED—High grade salesman, thoroughly familiar with the buyers in the Paint and Rubber Industries in the Metropolitan District. We will make attractive inducements to the right party. Replies will be treated confidentially. Write stating experience and references. Box 759, DRUG & CHEMICAL MARKETS.

DRUG SALESMEN—We want live young men calling on wholesale and retail drug trade to carry a quick sale, big commission sundry as a side line. Box 758, DRUG & CHEMICAL MARKETS.

SALESMAN WANTED, high-powered, with a following among the buyers of the Paint and Varnish Trades in the Metropolitan District. An exceptional opportunity to the right man who can show results. Replies will be treated confidentially. Write stating age, experience and reference. Box 756, DRUG & CHEMICAL MARKETS.

PHARMACEUTICAL SALESMAN—Familiar with retail drug trade on the Pacific Coast north of San Francisco wanted by a large manufacturer. Please give full details and references, if possible, in first letter. Confidential. Box 743, DRUG & CHEMICAL MARKETS.

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FOR SALE—20 ton barytes lumps. Sample and analysis available. Offer desired. Box 767, DRUG & CHEMICAL MARKETS.

FOR SALE—10 ton crude pyridine for arrival, 3 weeks. Offer desired on entire quantity. Box 772, DRUG & CHEMICAL MARKETS.

WANTED—1,600 pounds of Phosphorus Pentoxide or Meta Phosphoric Acid in large containers as drums or carboys. Box 780, DRUG & CHEMICAL MARKETS.

FOR SALE—A large quantity of Technical Sodium Oxalate at a bargain. Also 14 barrels of Sodium Bisulphite 38% slightly caked. Box 750, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

TANK CARS for rent, 6,800 to 7,200 gals. 50 ton capacity. Receivers Butterworth Judson Corp., Newark, N. J.

FOR SALE—1 Devine Oil jacketed autoclave; 1-36" Shriver (type E) Filter press; 1 Carbonal Brine Cooler; 12 Dopp jacketed kettles; 60-120 gallons. No dealers. Box 761, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED—Oliver, Kelly Filters, Tower, Feeders, Vacuum Driers, Alcohol Still, Pumps, Condensers, Extractor, Enameled Kettles, Elyria Still, Pulverizer, Laboratory Balance, Scales, Tanks, Electric Heaters, Electric Panel, Compressors, Cocks, Pans and other used machinery. Full particulars or no attention. Lakrean Chemical Works, 6201 Chestnut, Philadelphia, Pa.

WANTED—A buyer for surplus stock 2 oz.—4 oz. and 8 oz. round amber bottles. Kork-Seal finish (about 1,000 gross). Sherwin-Williams Co., 601 Canal Road, N. W., Cleveland, Ohio.

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Messrs. Gebr. Waaning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

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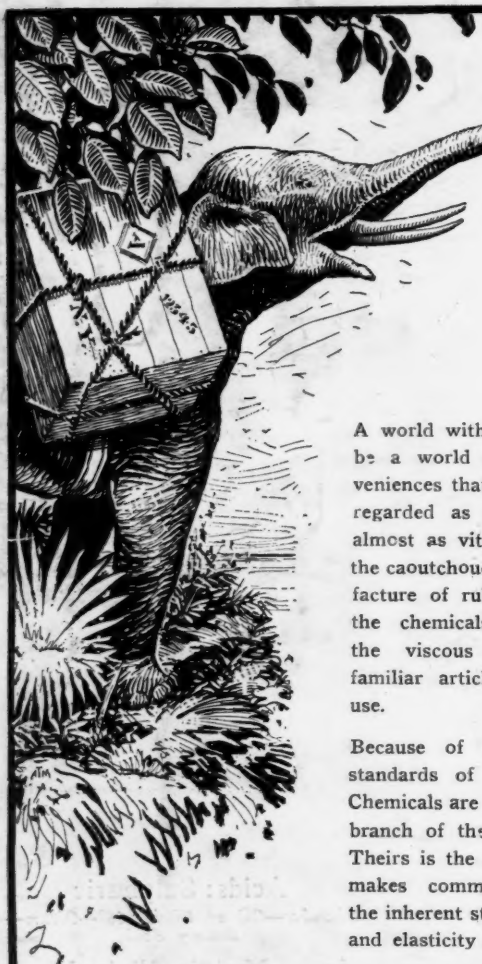
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